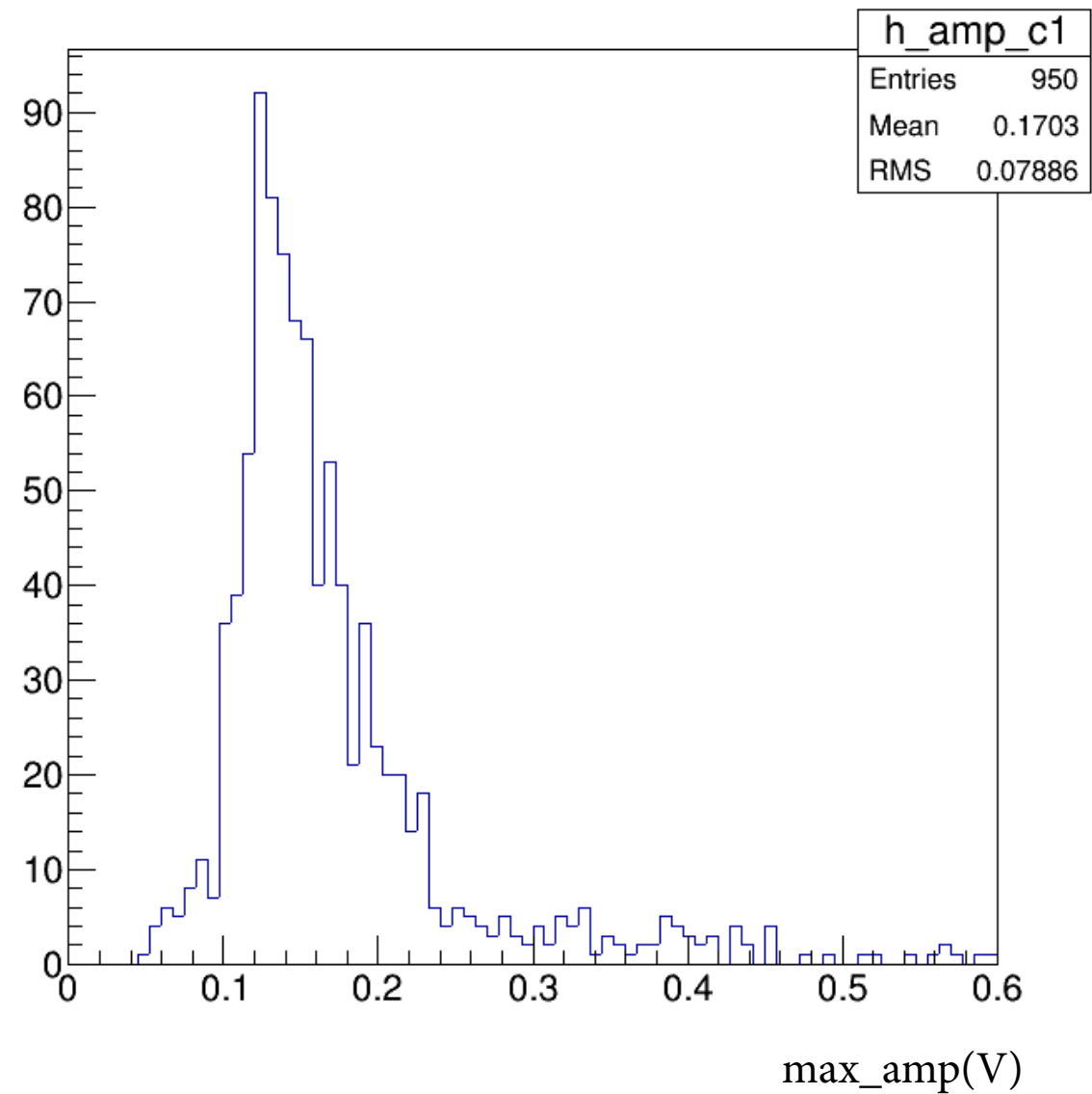


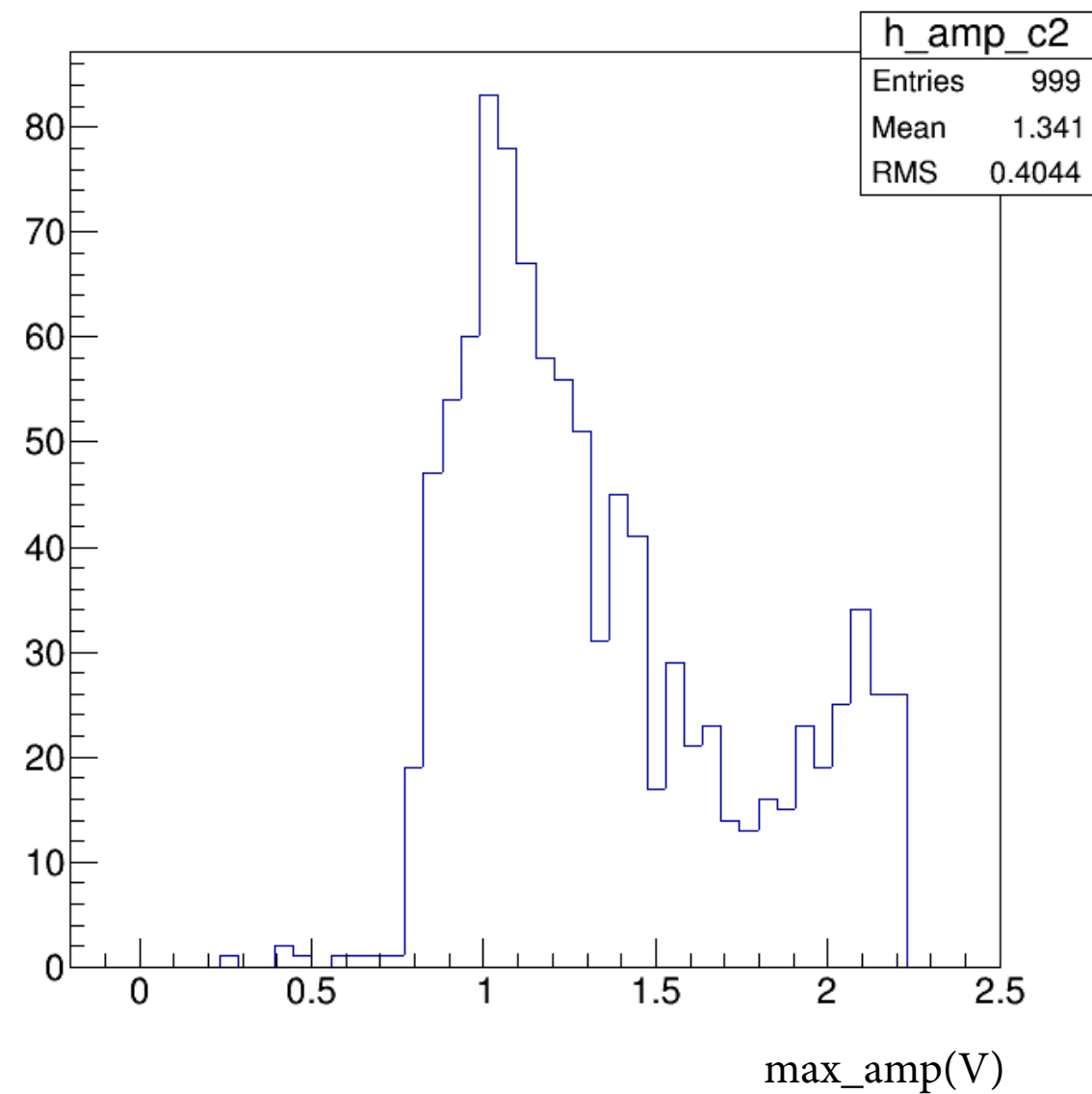
Thickness: 285 μm Radiation dose: non-irr

Thickness: 285 μm T:-20°C Vbias:50V Radiation dose: non-irr

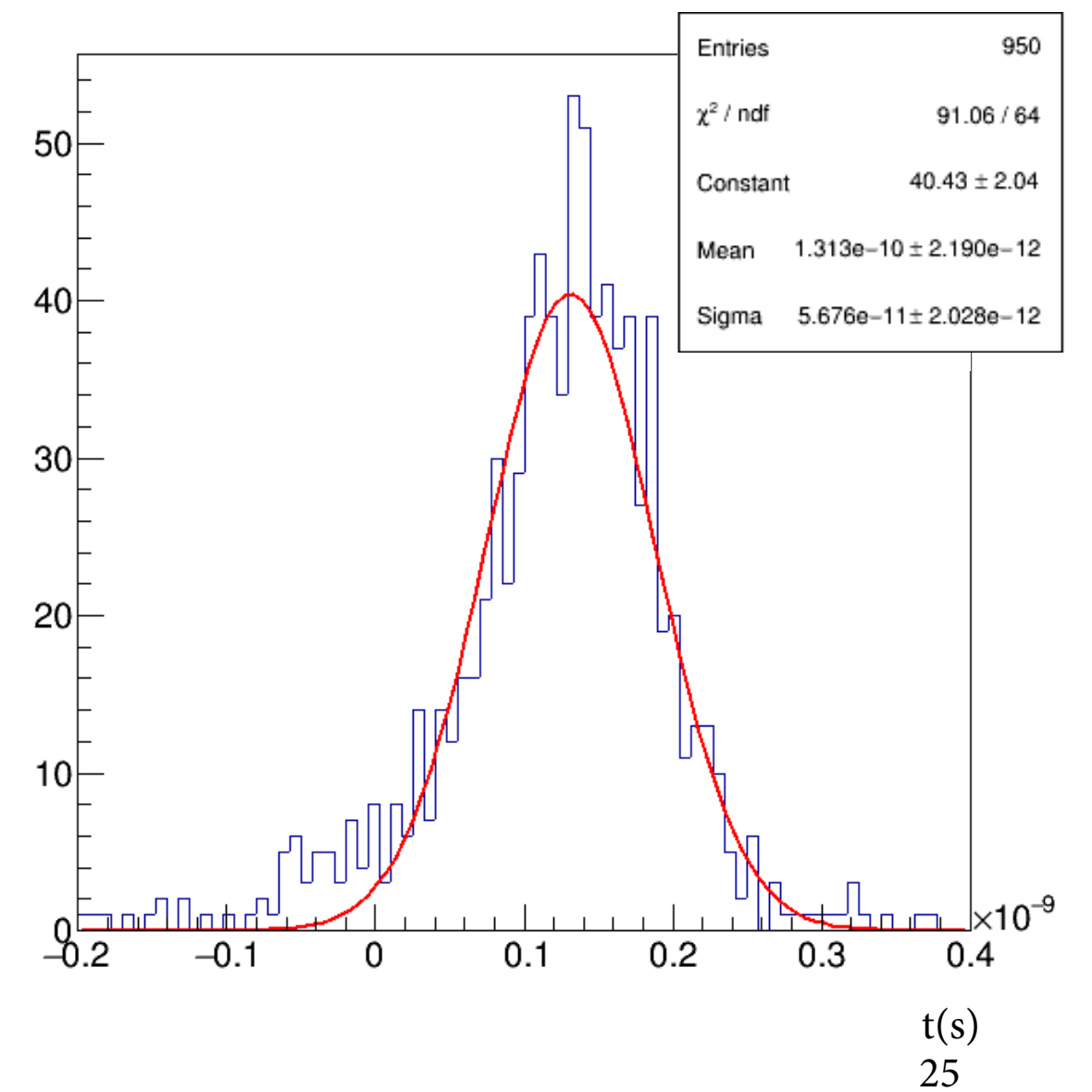
3D



LGAD

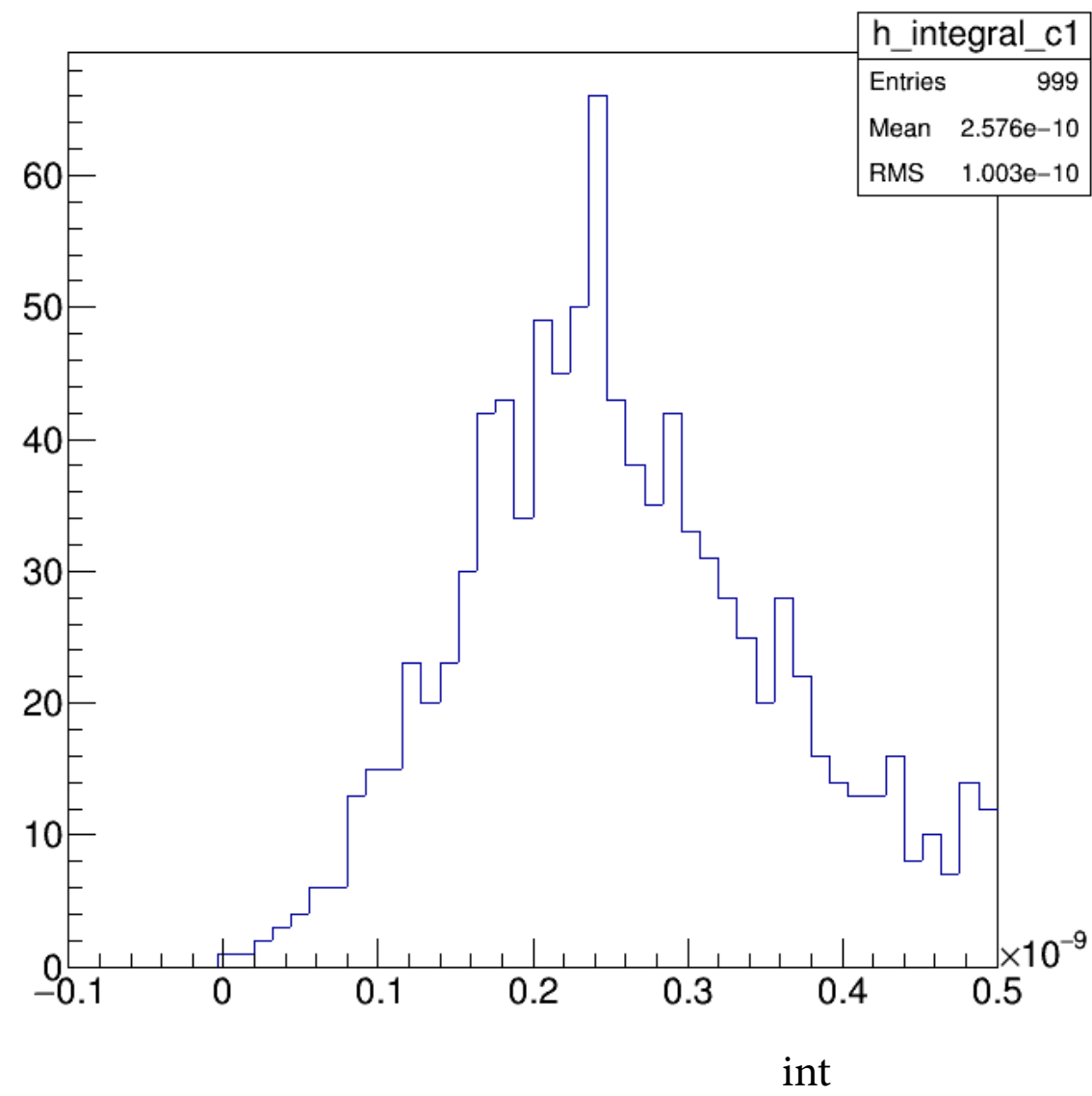


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

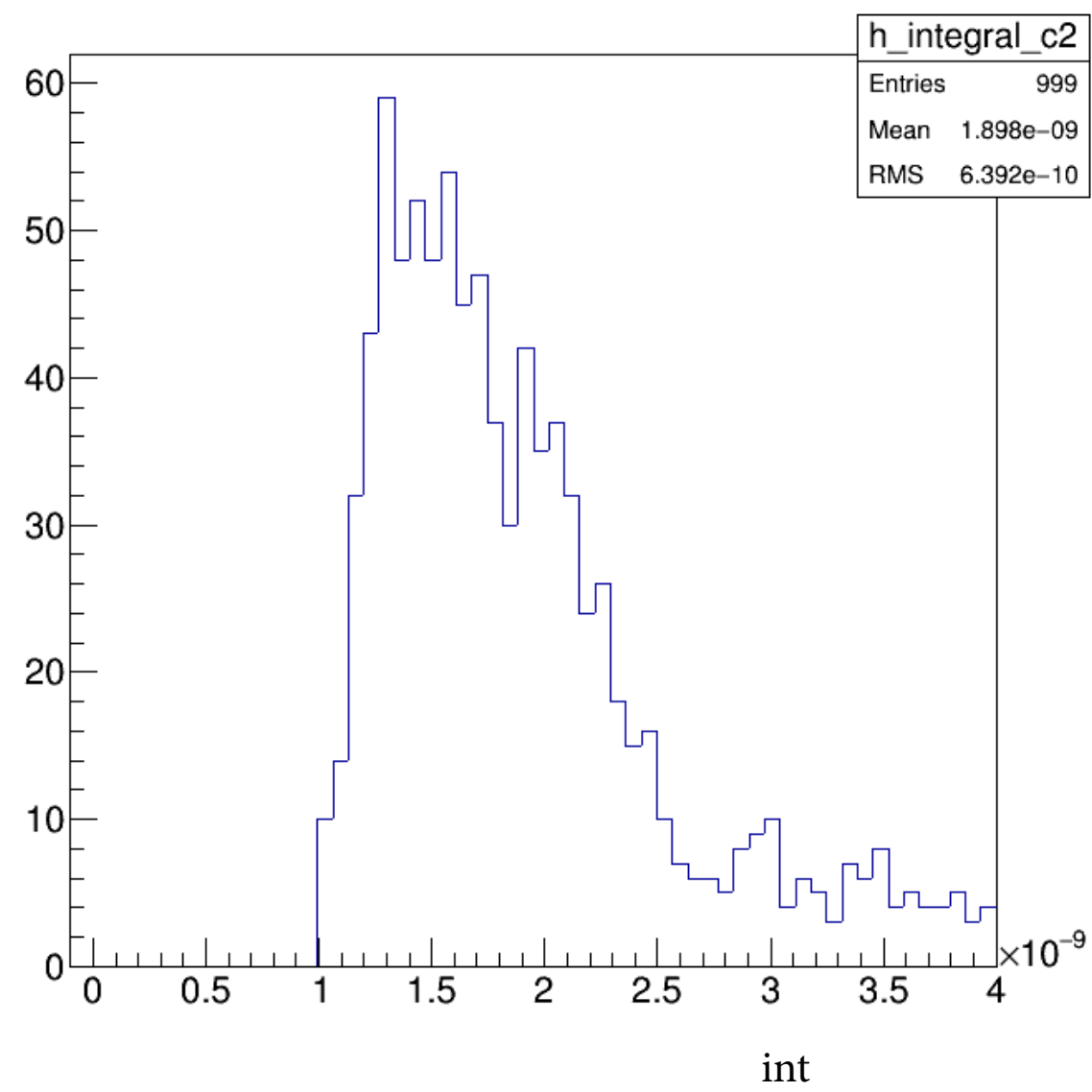


Thickness: 285 μm T:-20°C Vbias:50V Radiation dose: non-irr

3D

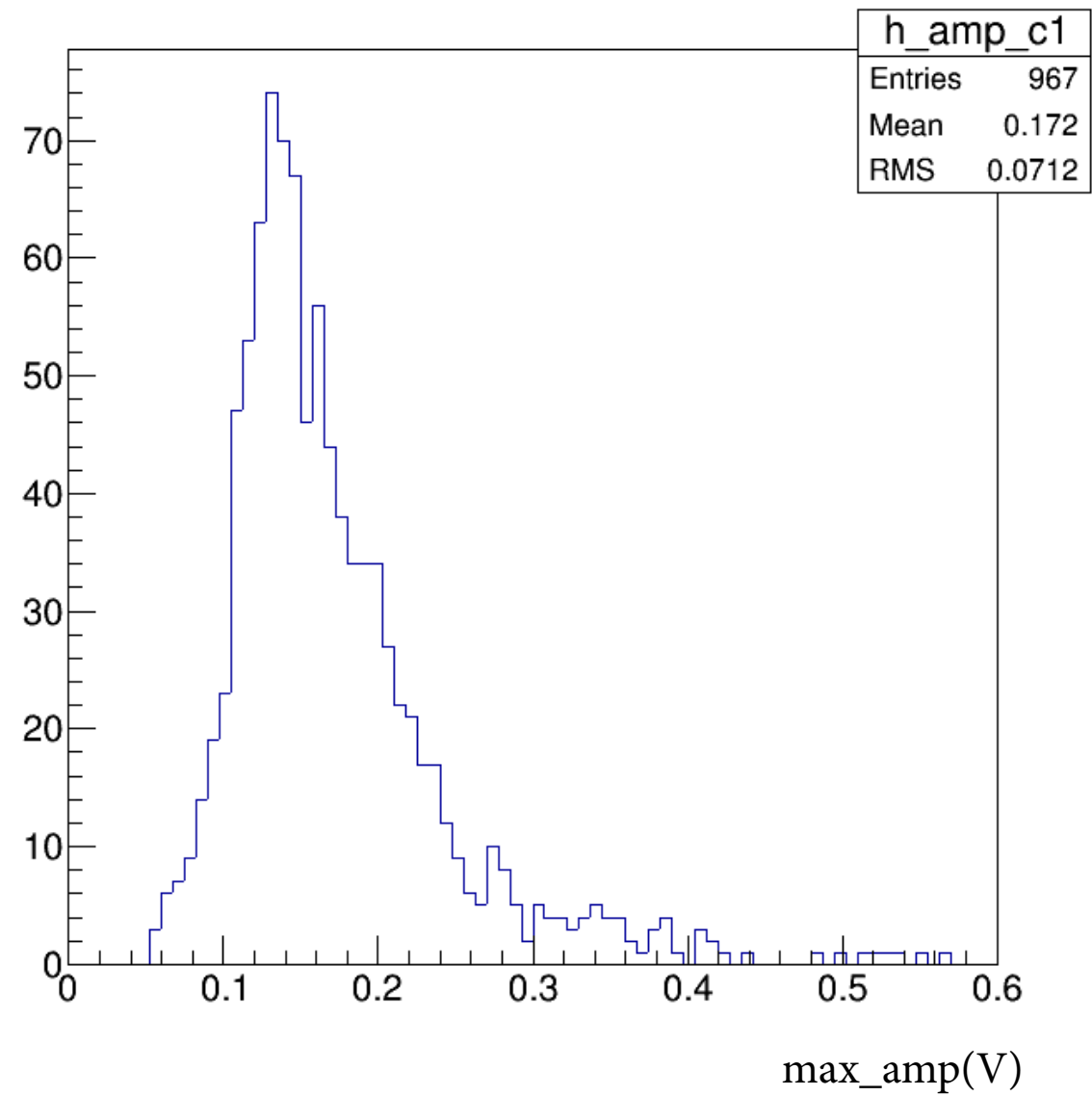


LGAD

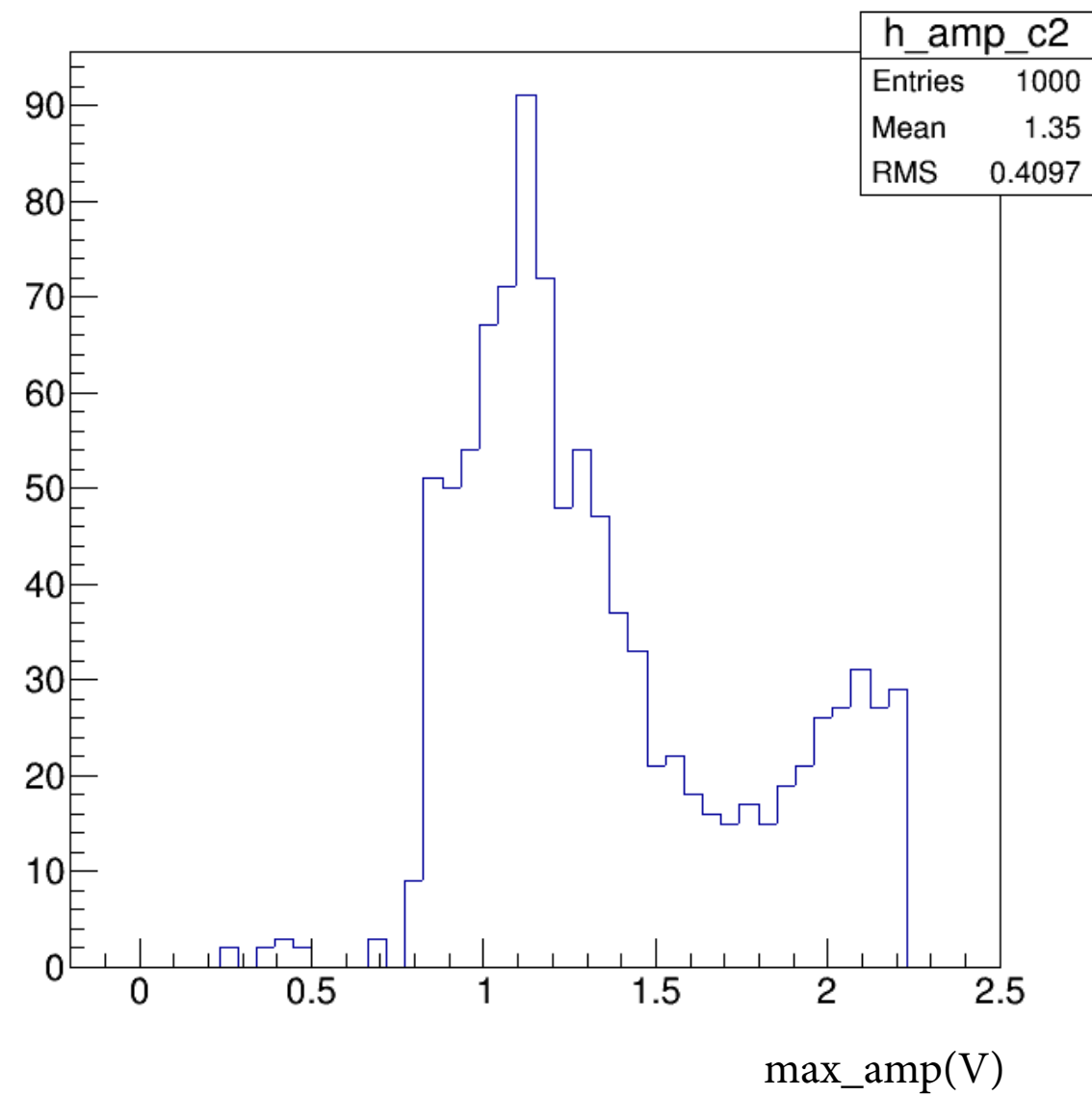


Thickness: 285 μm T:-20°C Vbias:100V Radiation dose: non-irr

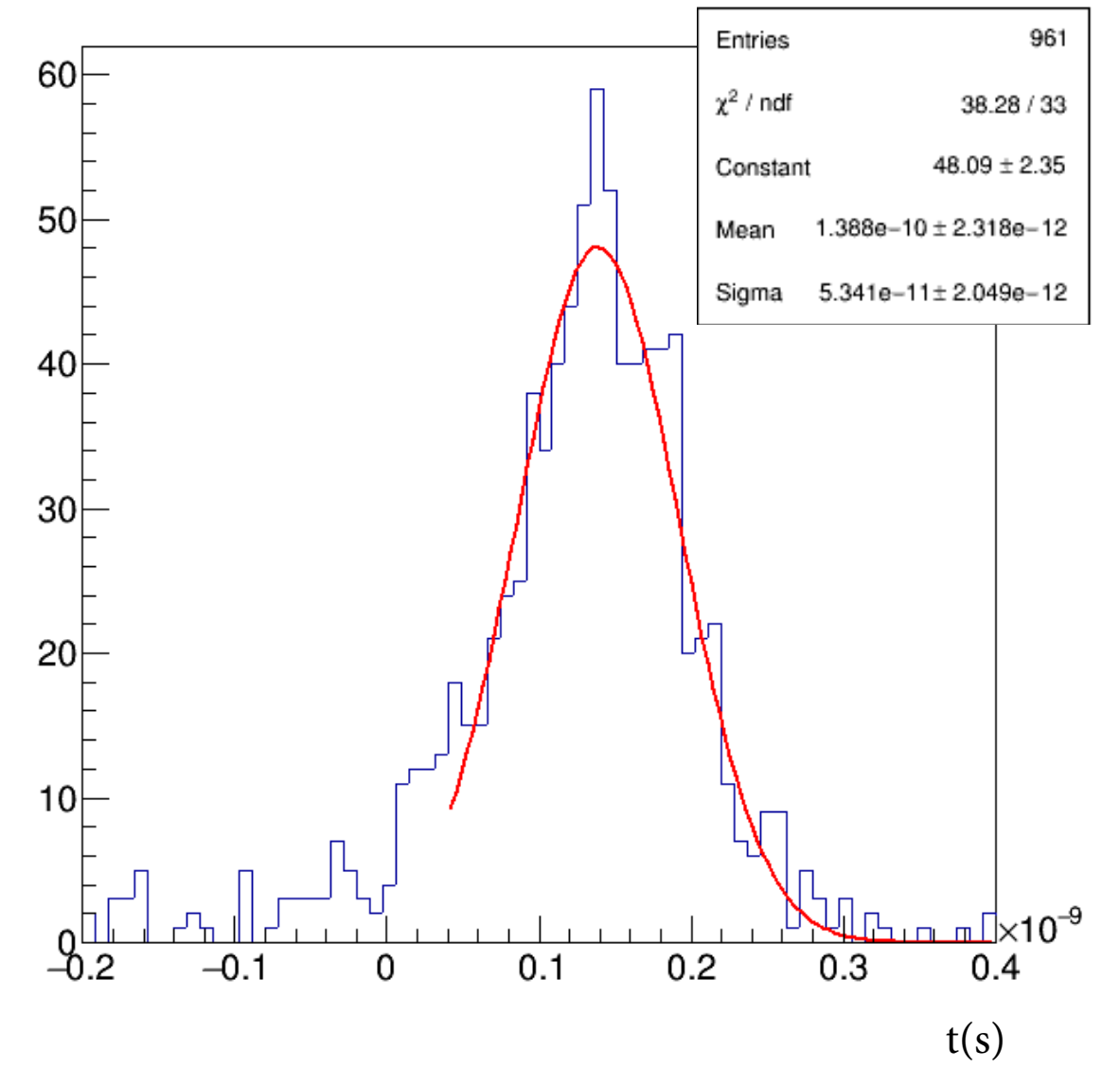
3D



LGAD

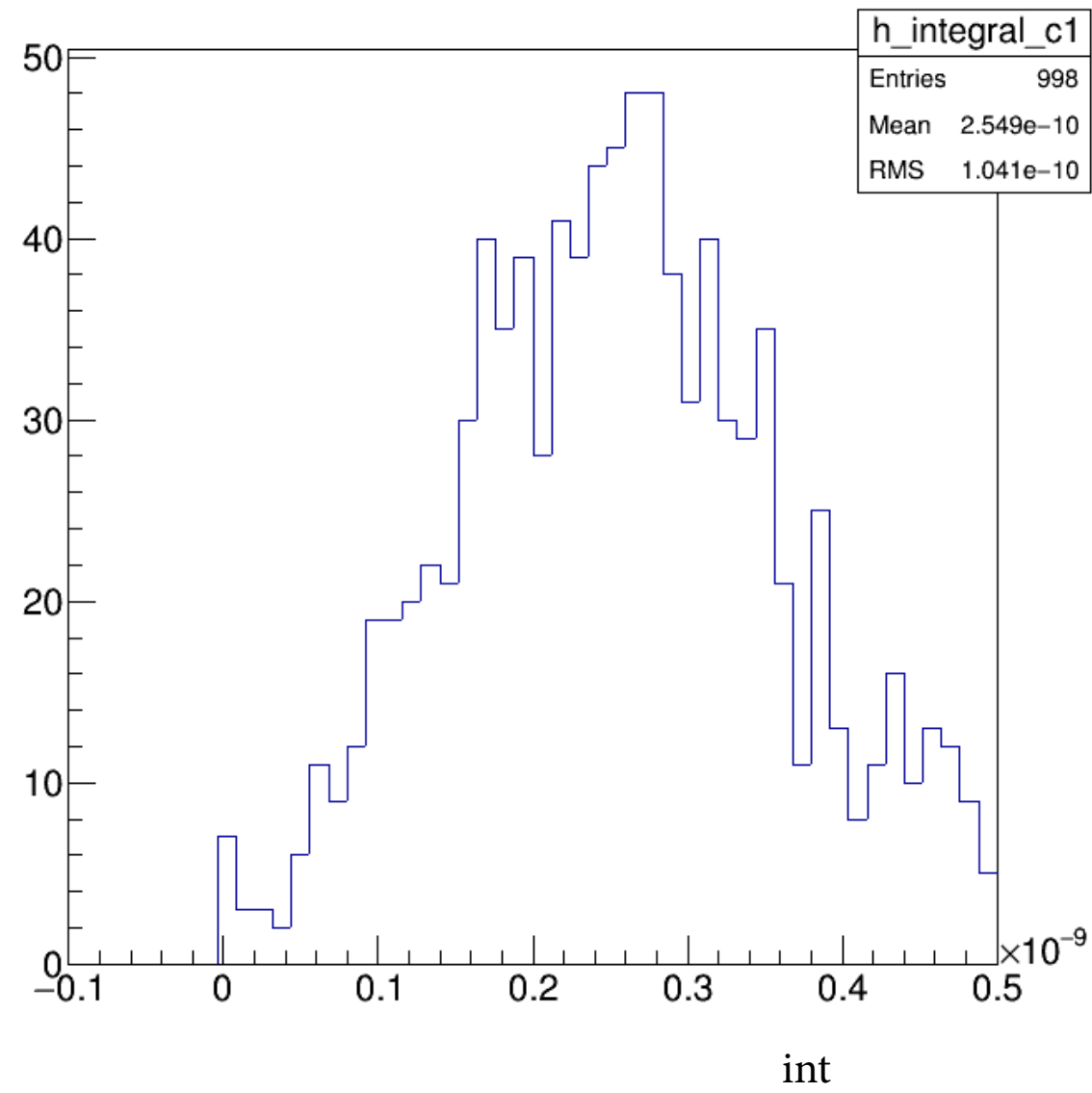


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

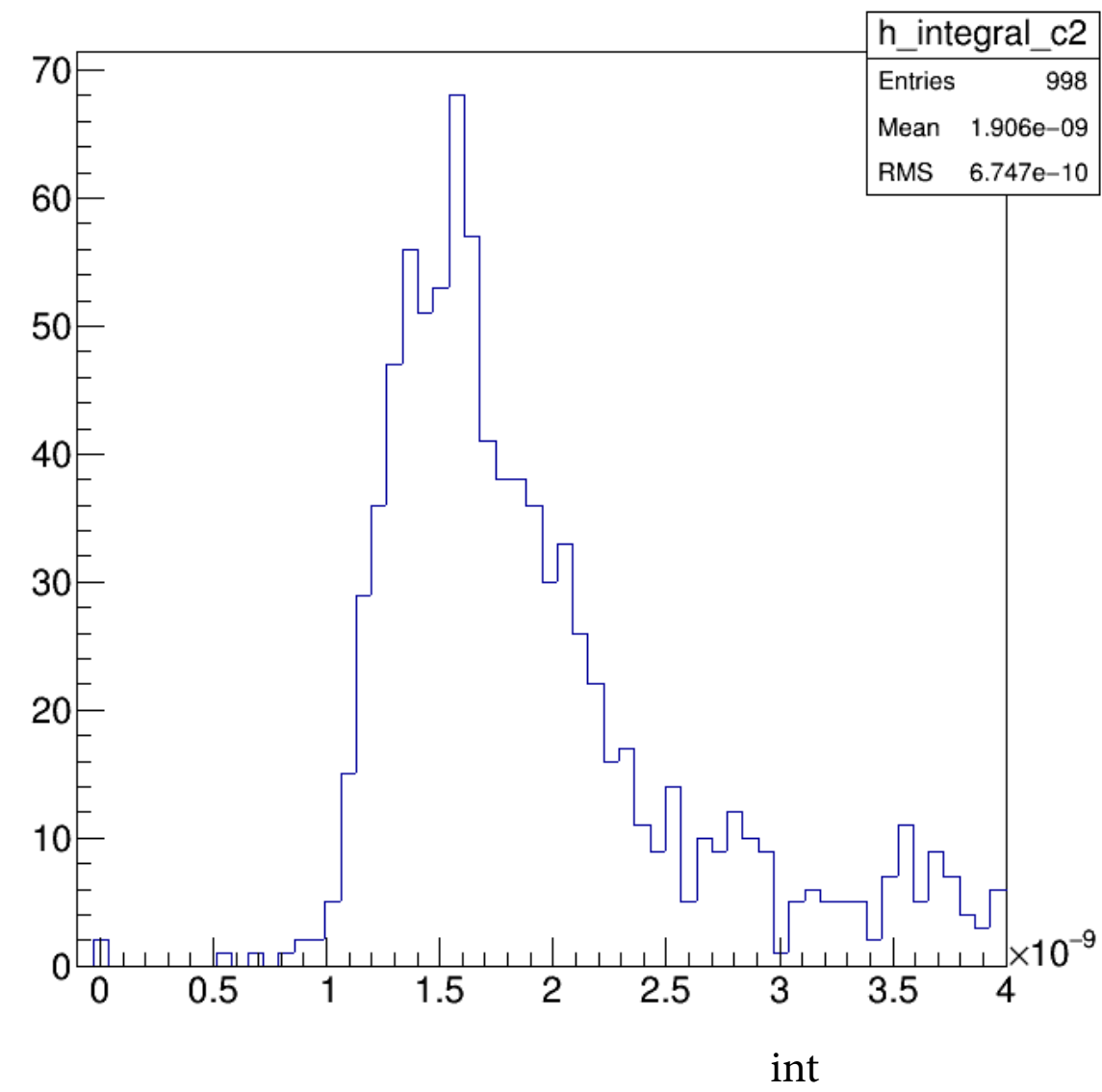


Thickness: 285 μm T:-20°C Vbias:100V Radiation dose: non-irr

3D

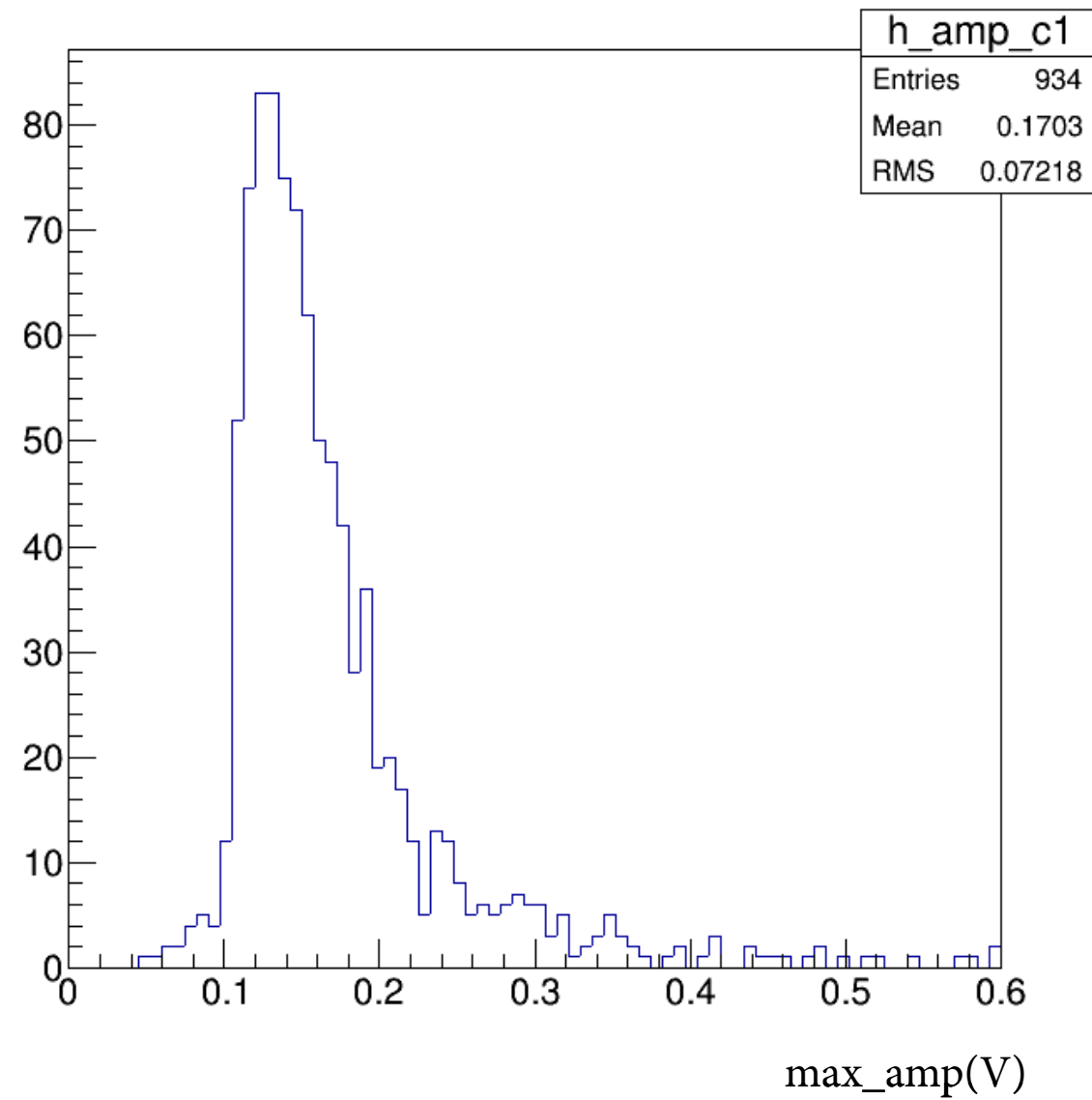


LGAD

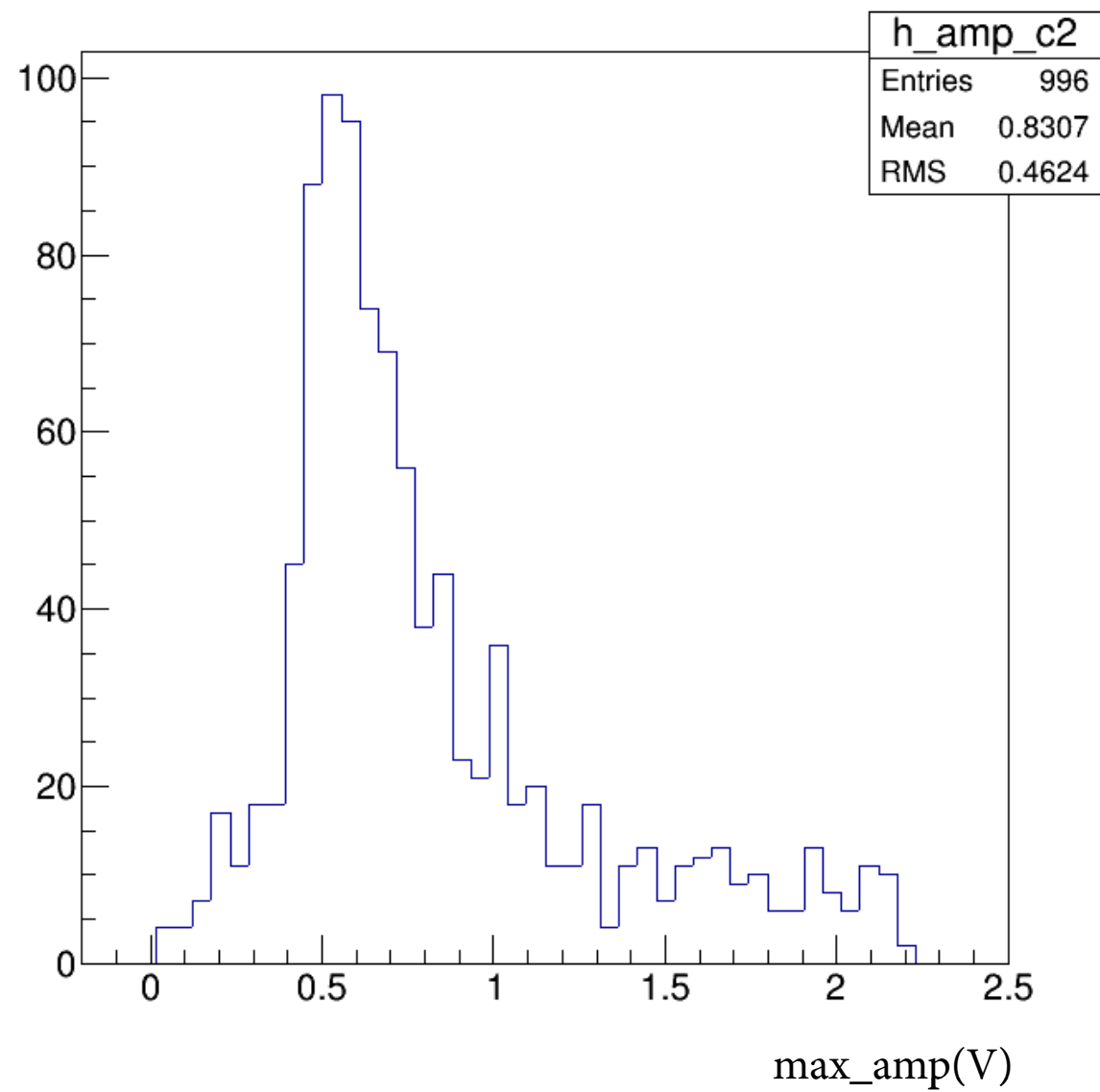


Thickness: 285 μm T:+20°C Vbias:50V Radiation dose: non-irr

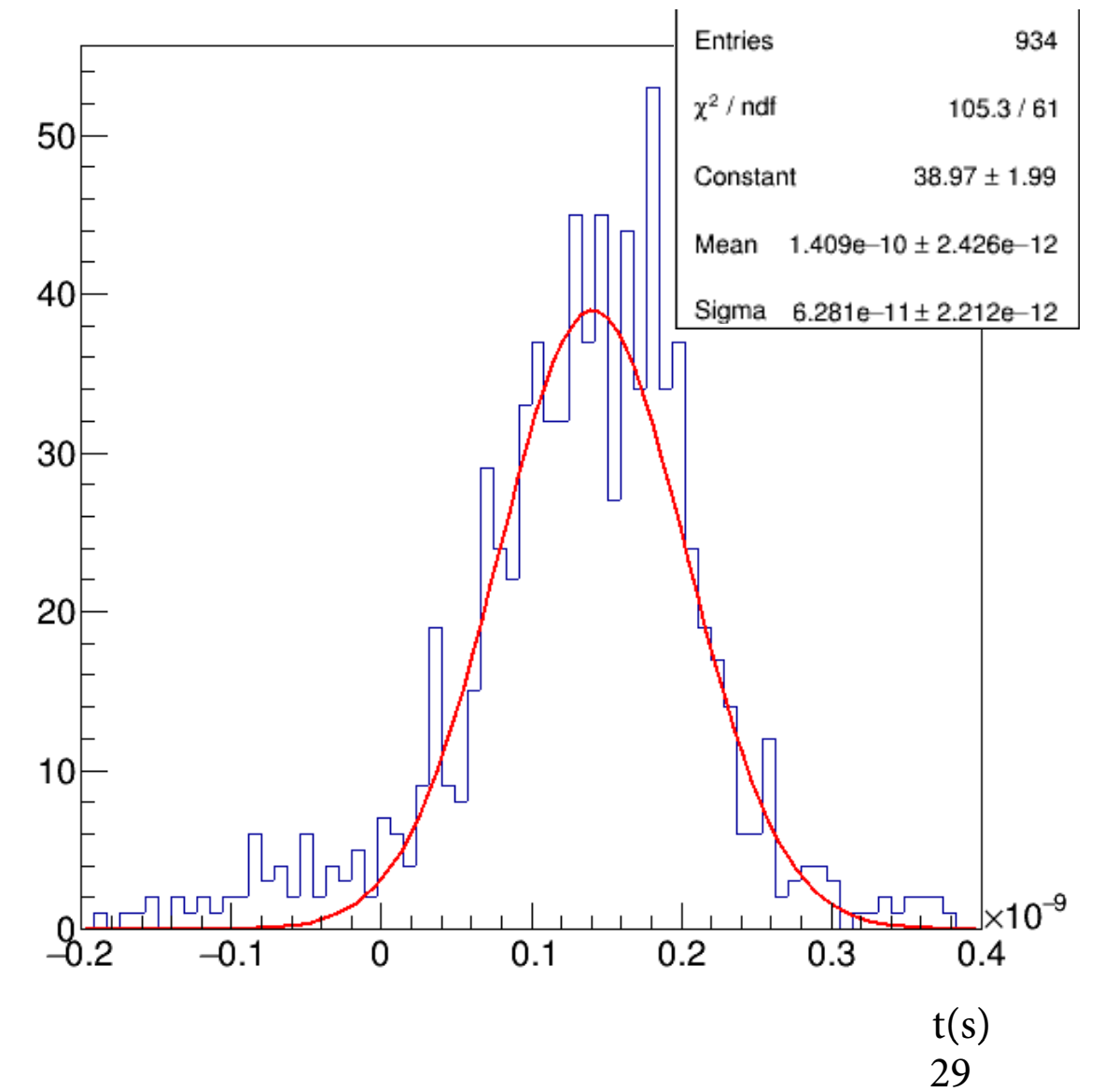
3D



LGAD

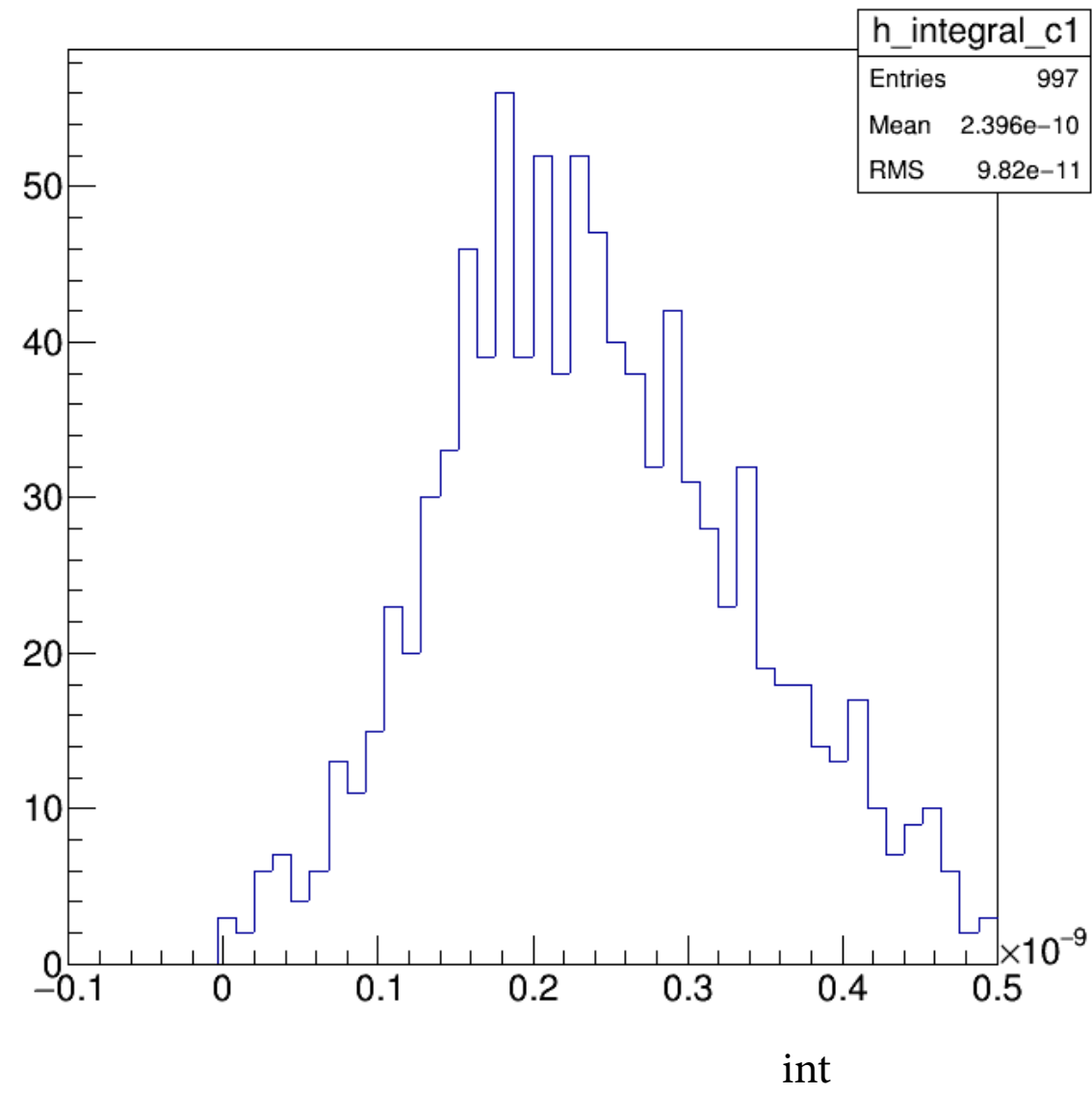


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

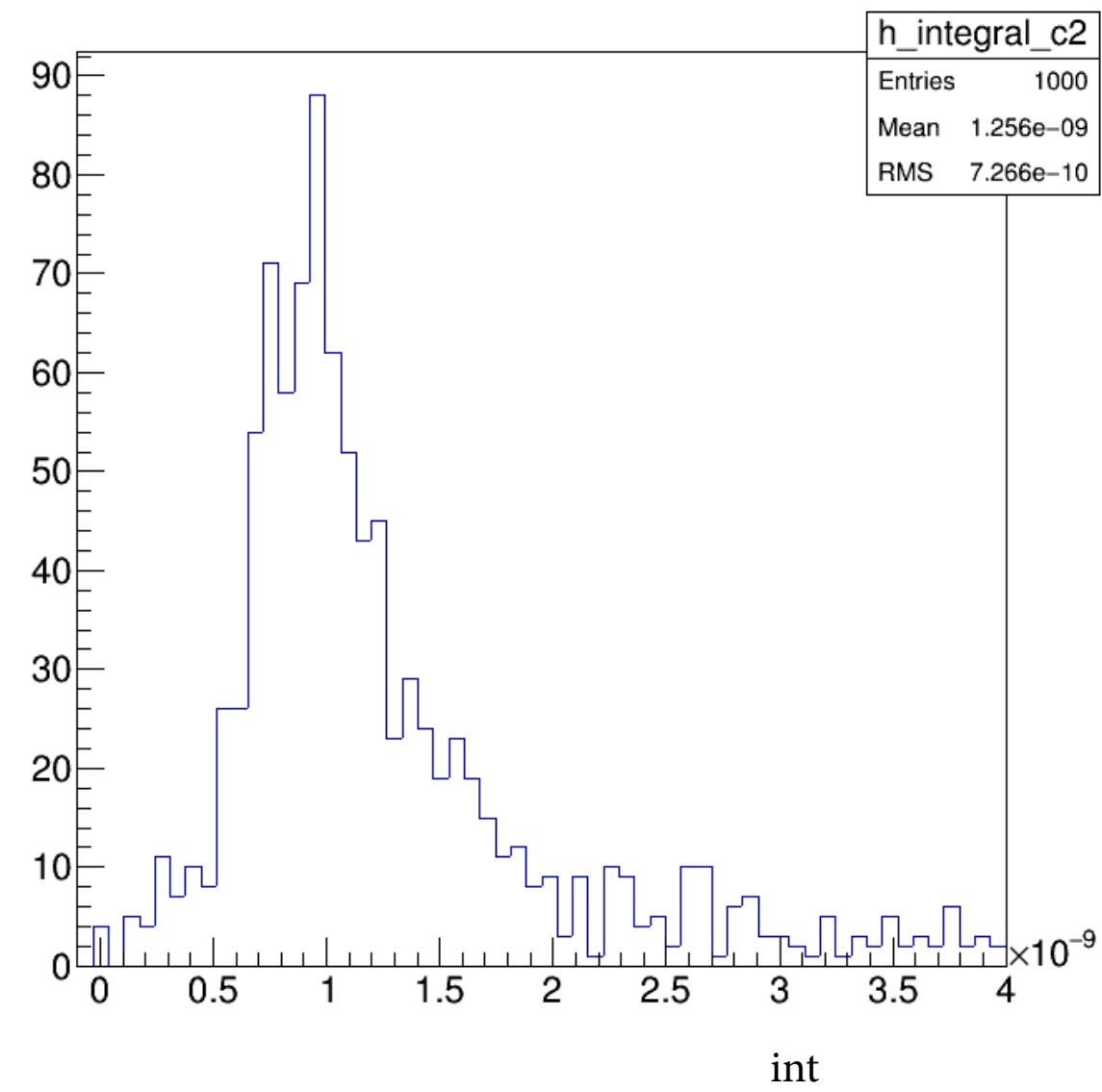


Thickness: 285 μm T:+20°C Vbias:50V Radiation dose: non-irr

3D

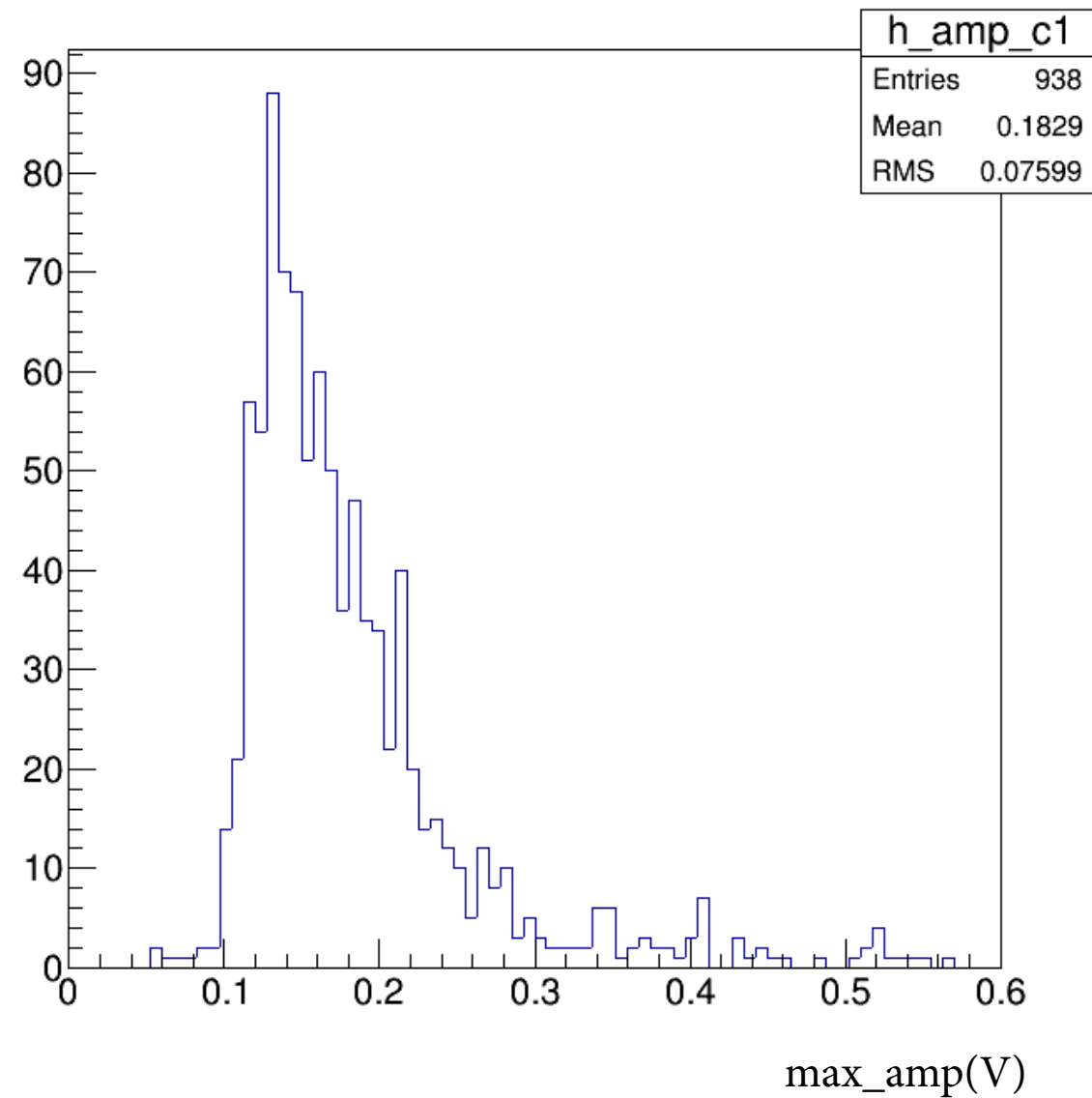


LGAD

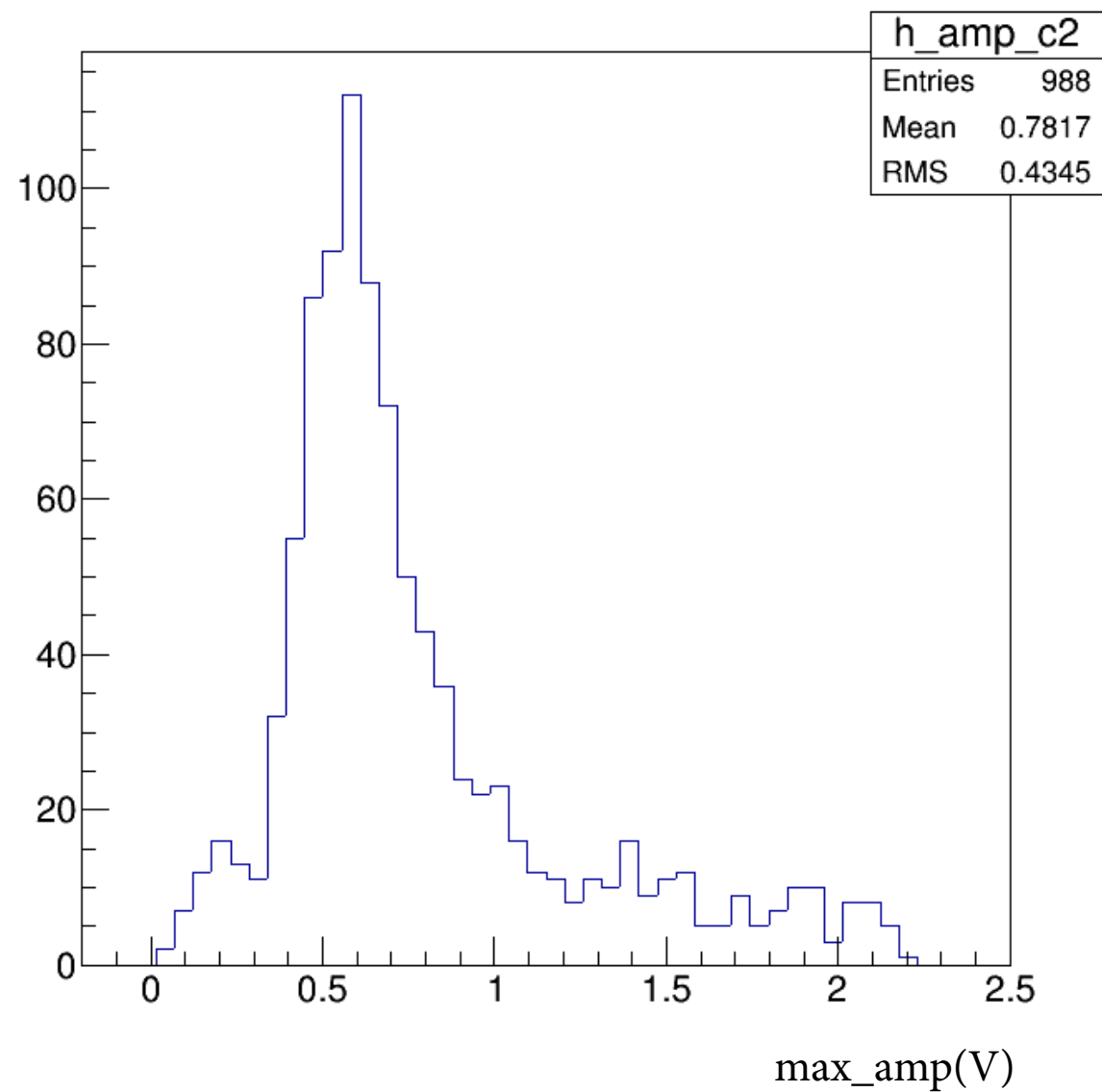


Thickness: 285 μm T:+20°C Vbias:100V Radiation dose: non-irr

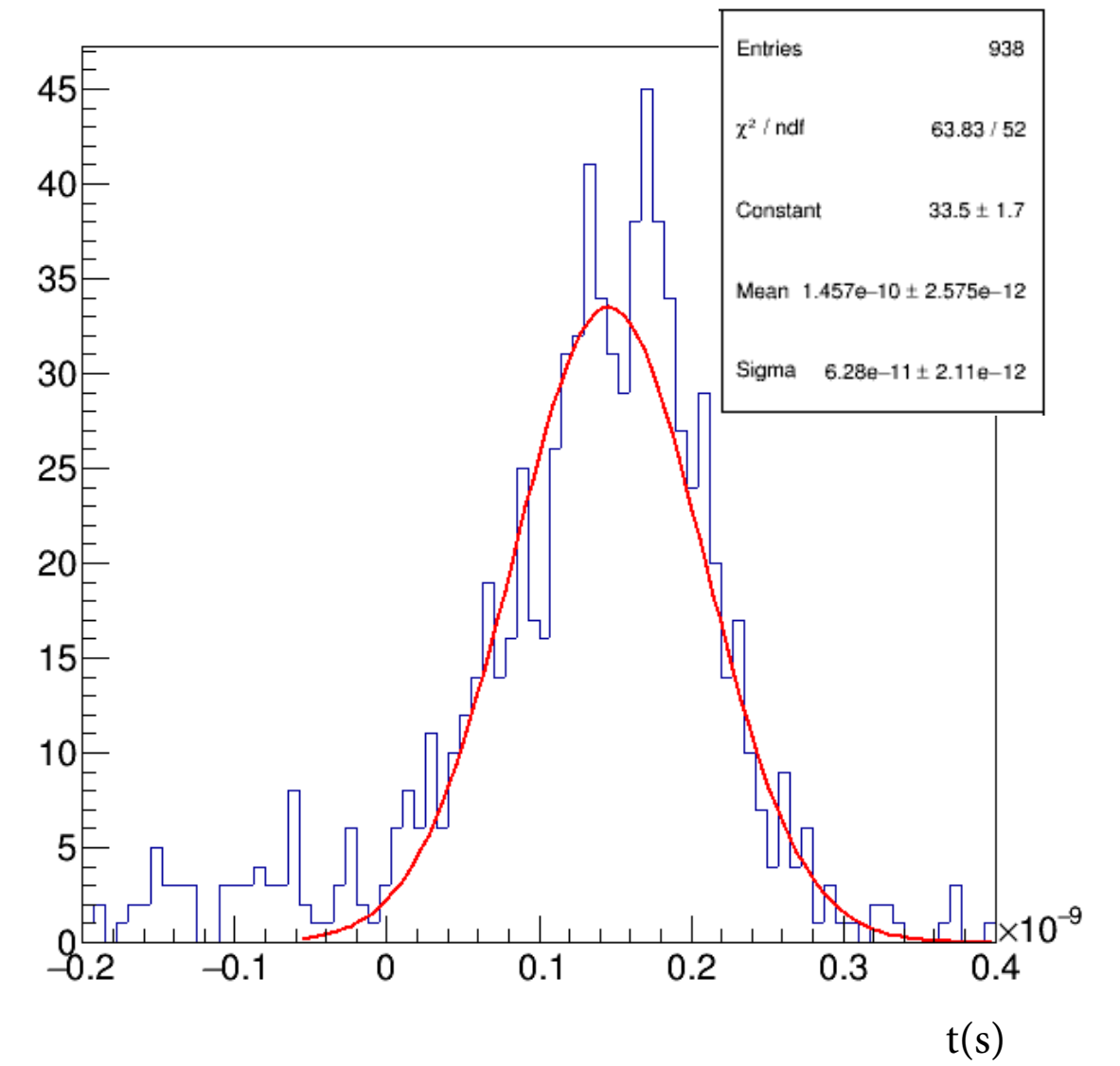
3D



LGAD

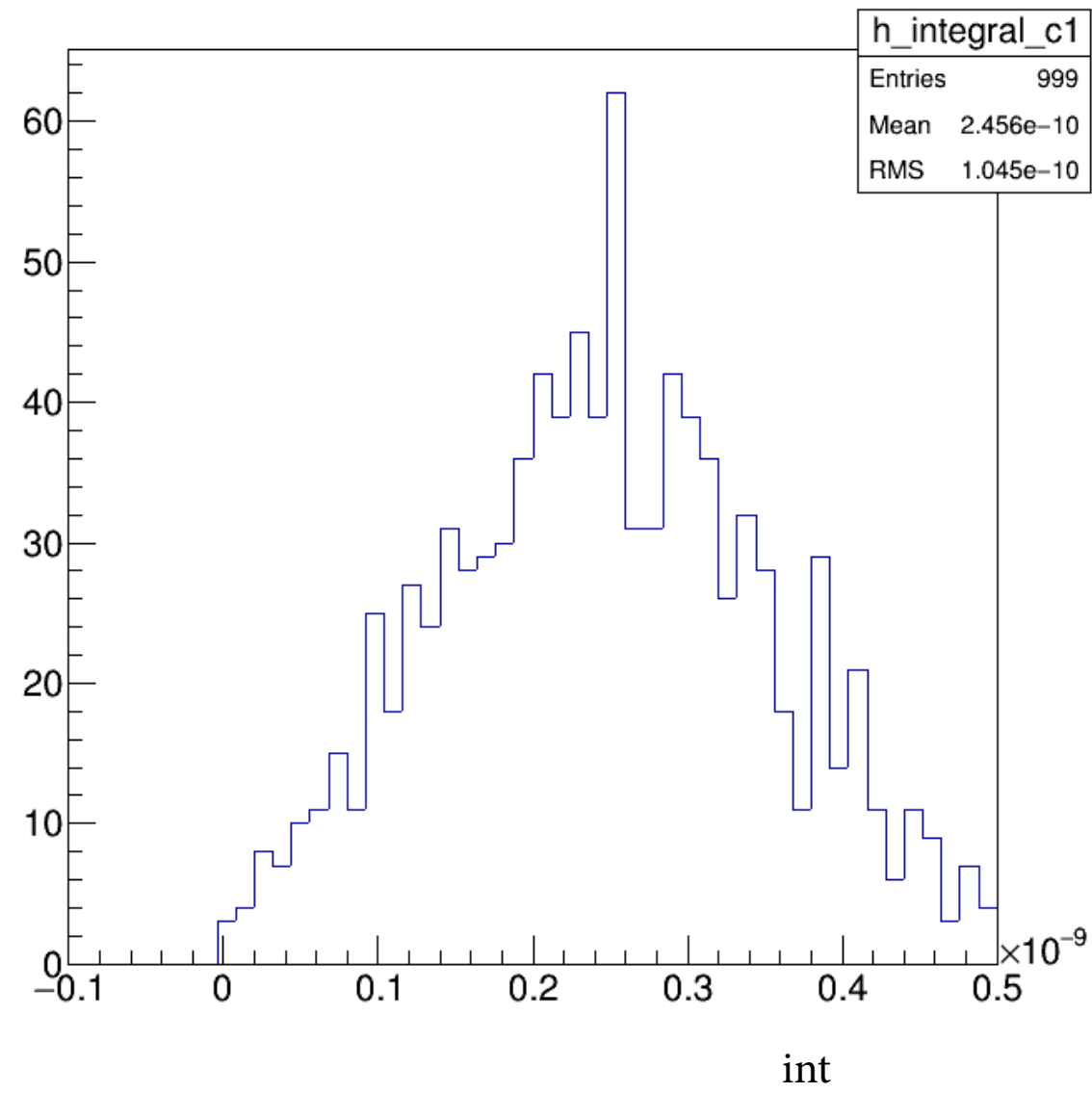


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

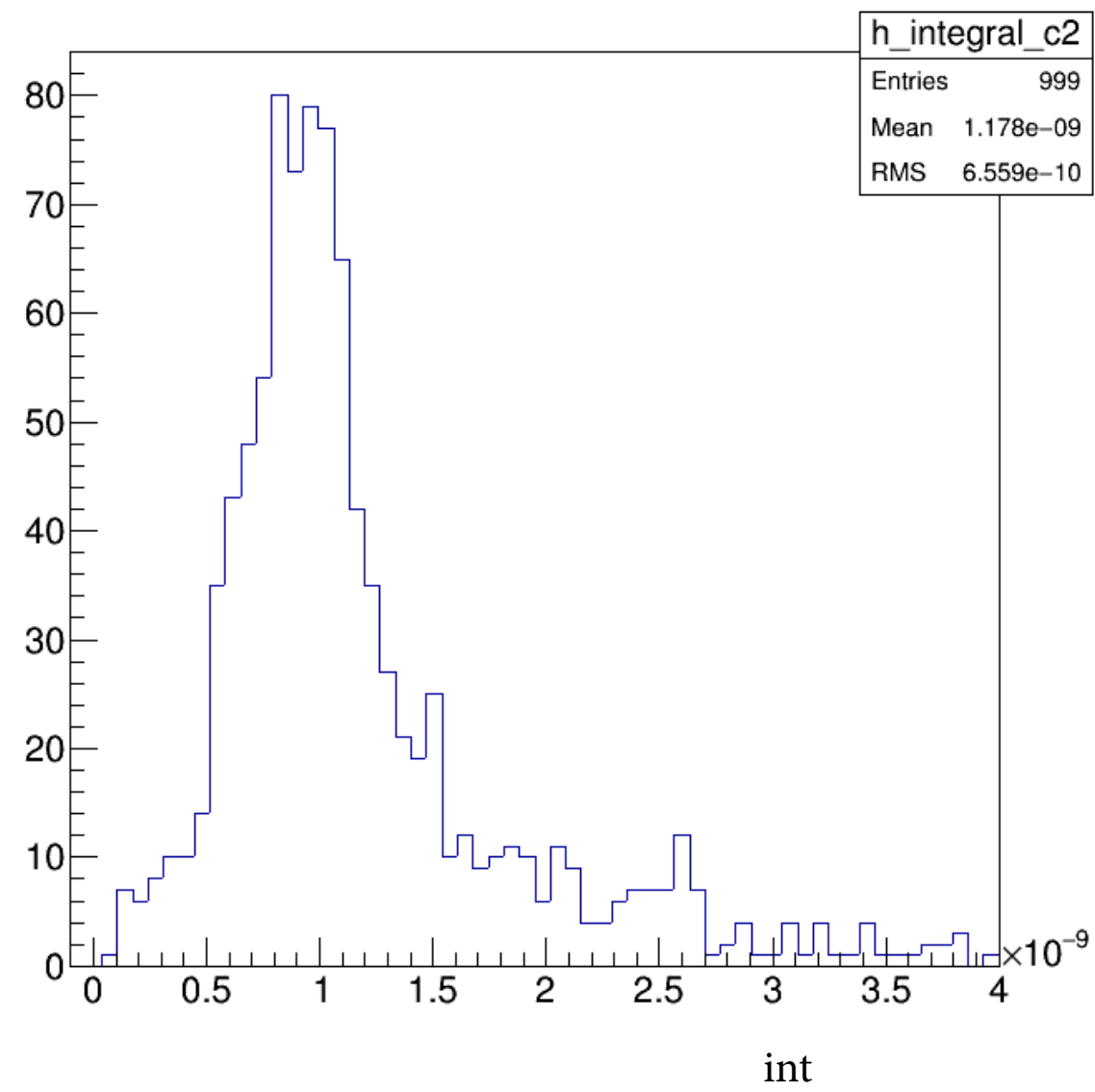


Thickness: 285 μm T:+20°C Vbias:100V Radiation dose: non-irr

3D

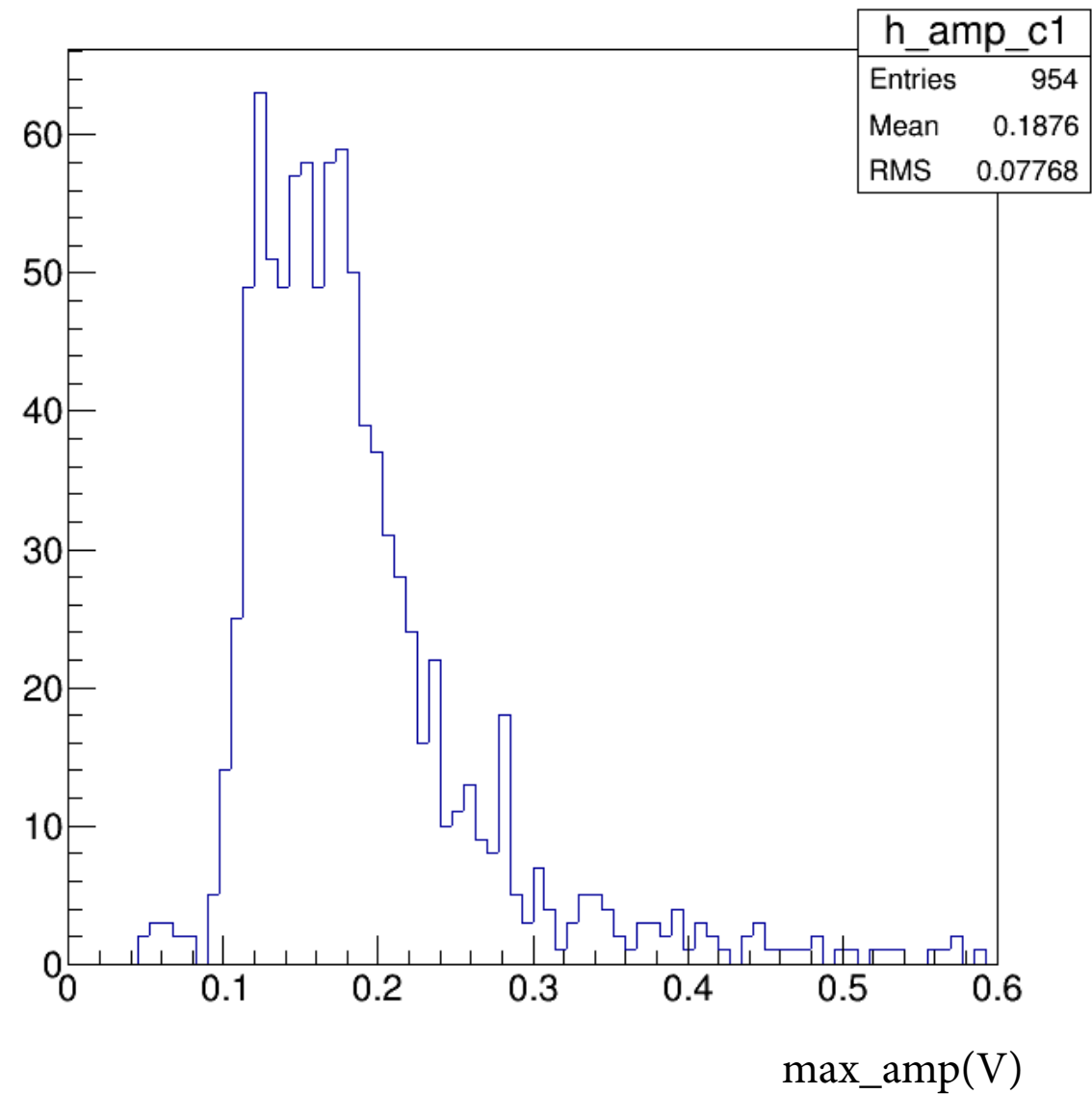


LGAD

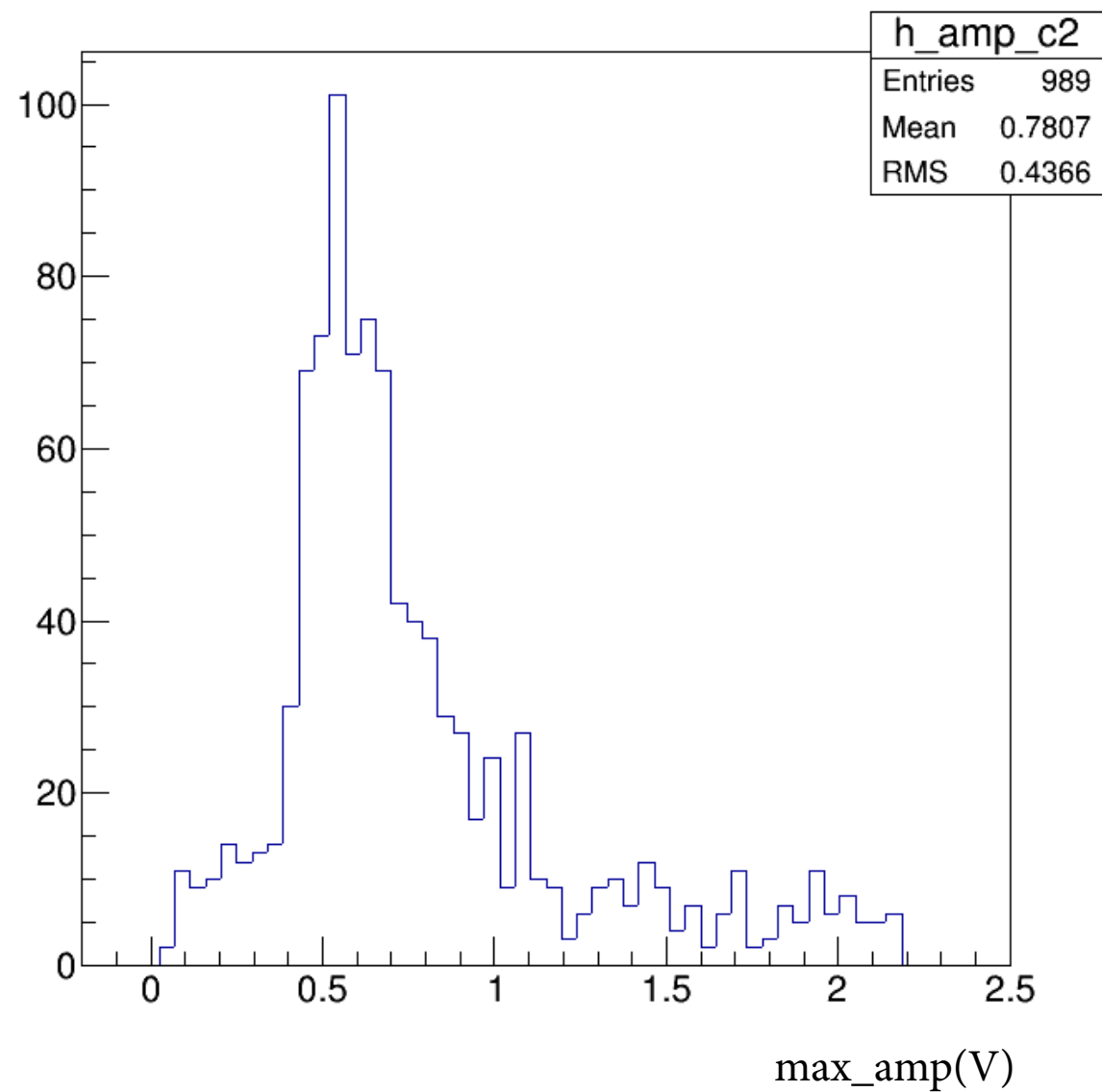


Thickness: 285 μm T:+20°C Vbias:150V Radiation dose: non-irr

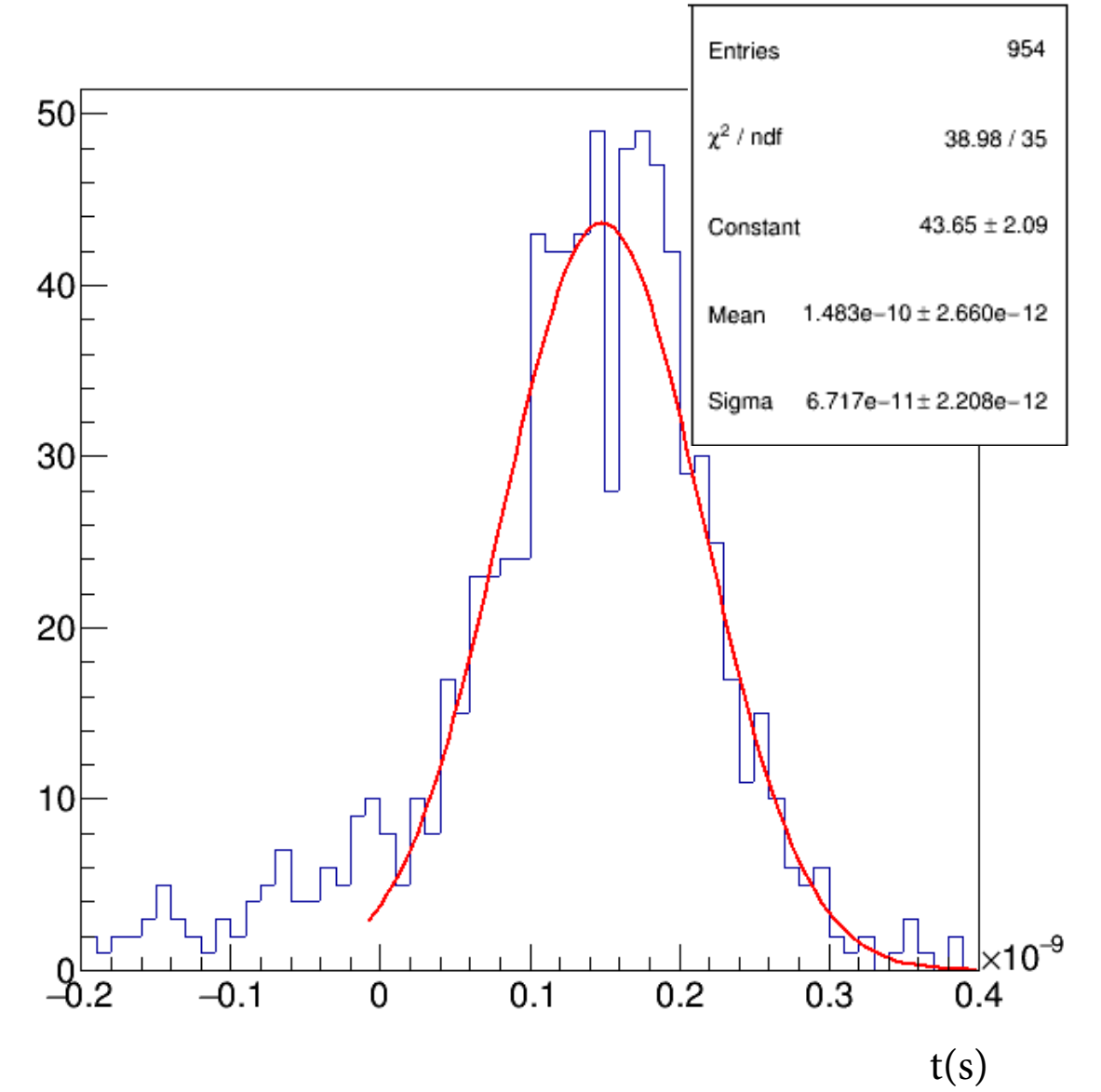
3D



LGAD

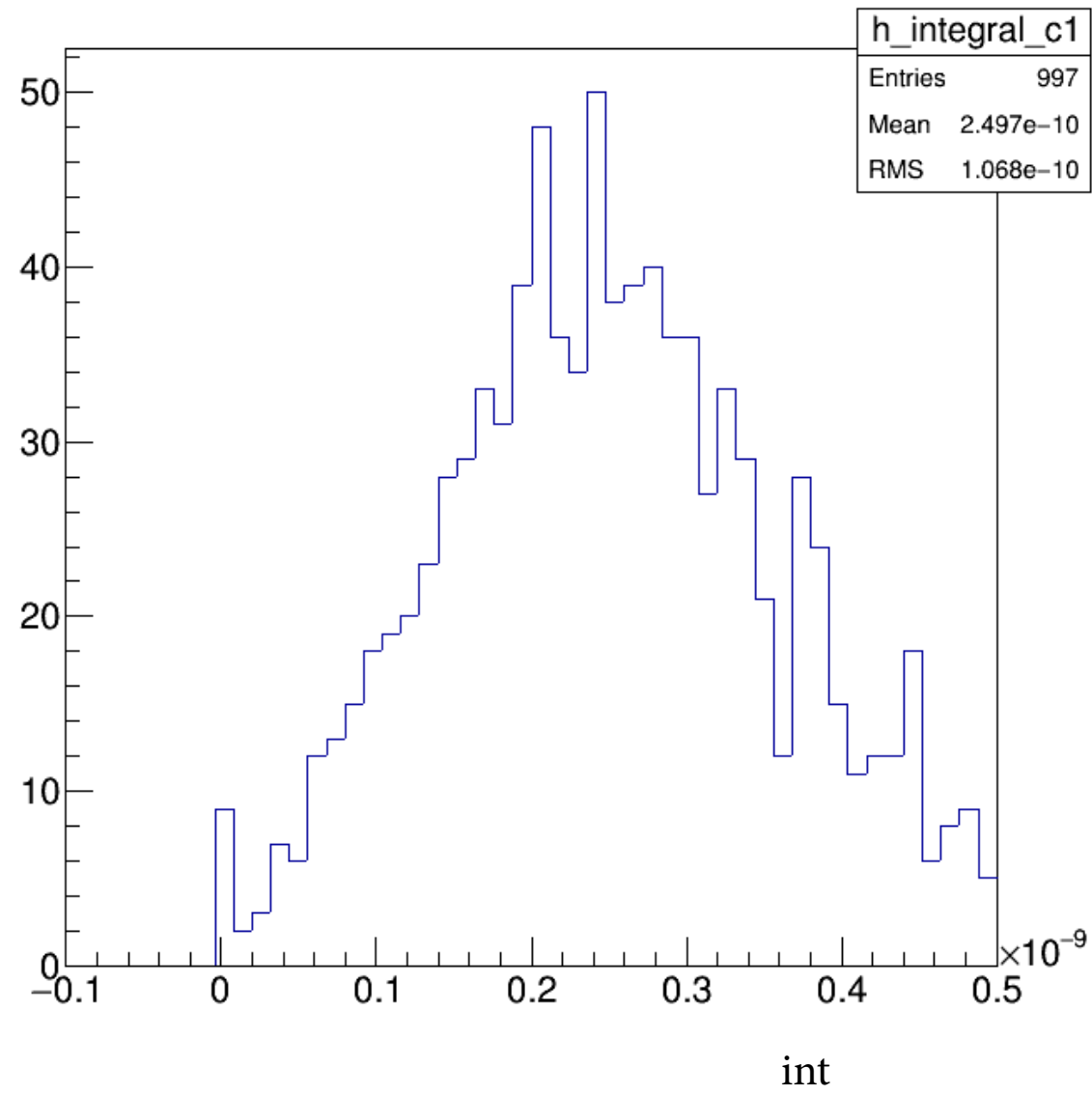


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

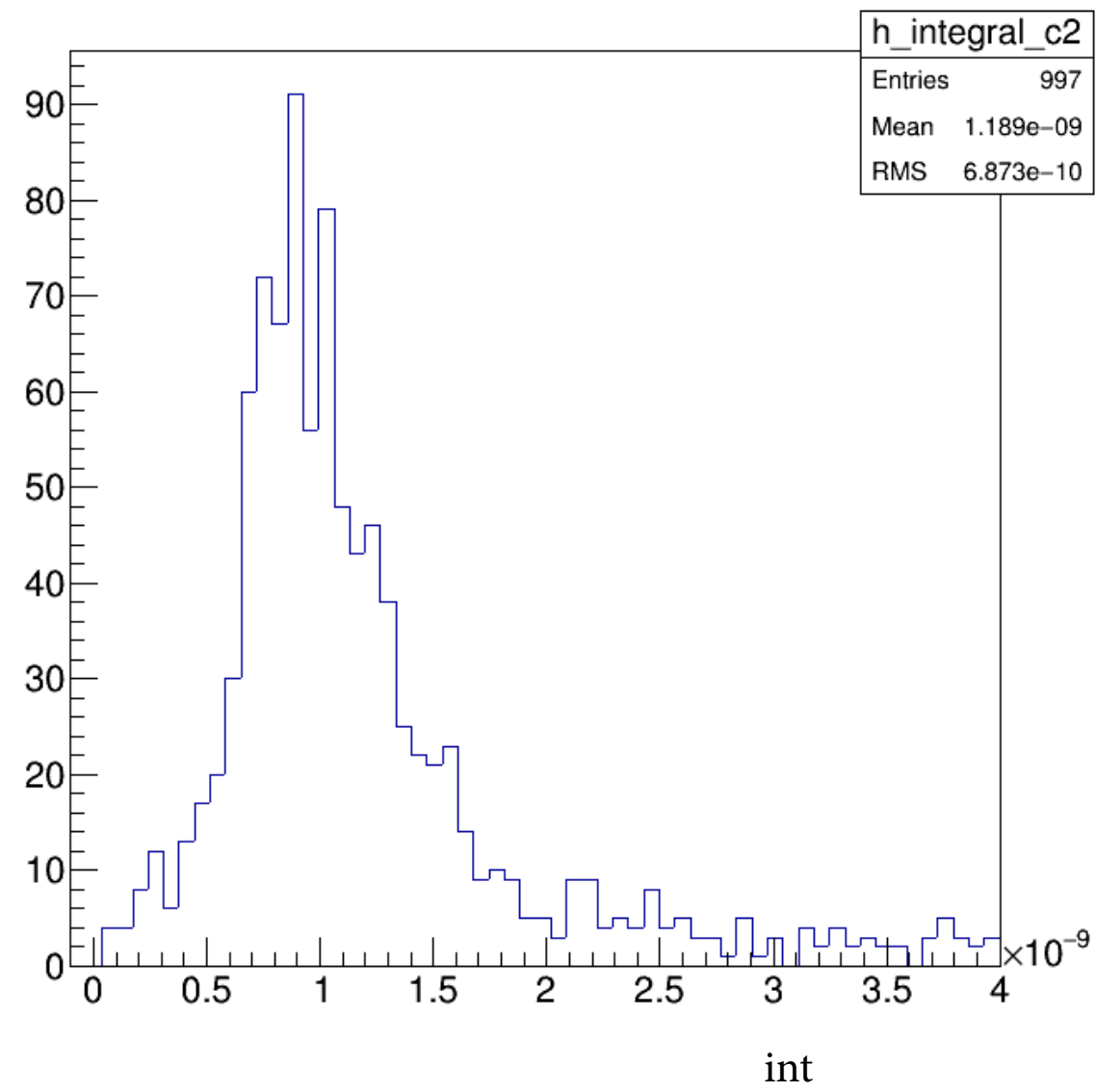


Thickness: 285 μm T:+20°C Vbias:150V Radiation dose: non-irr

3D

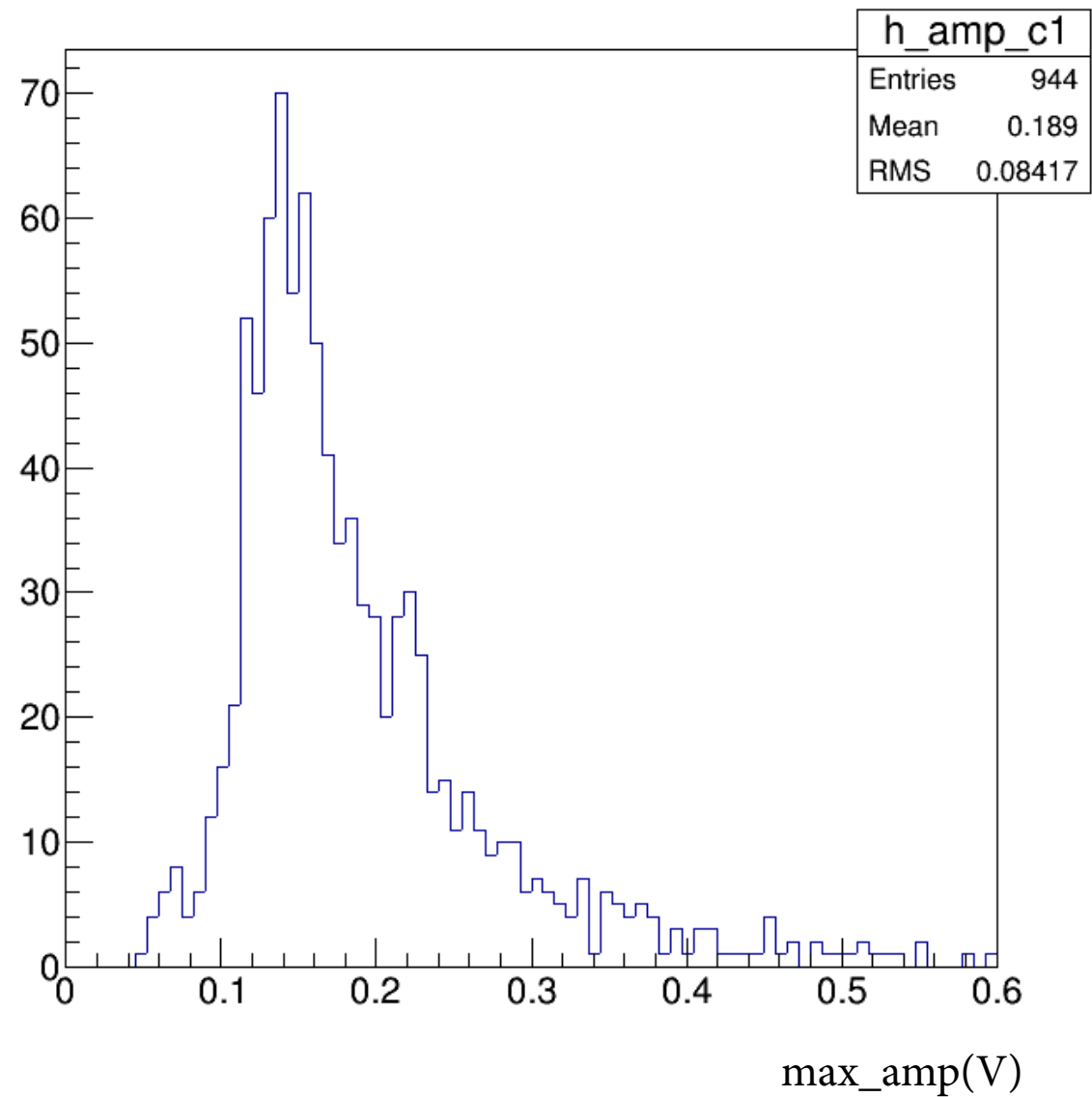


LGAD

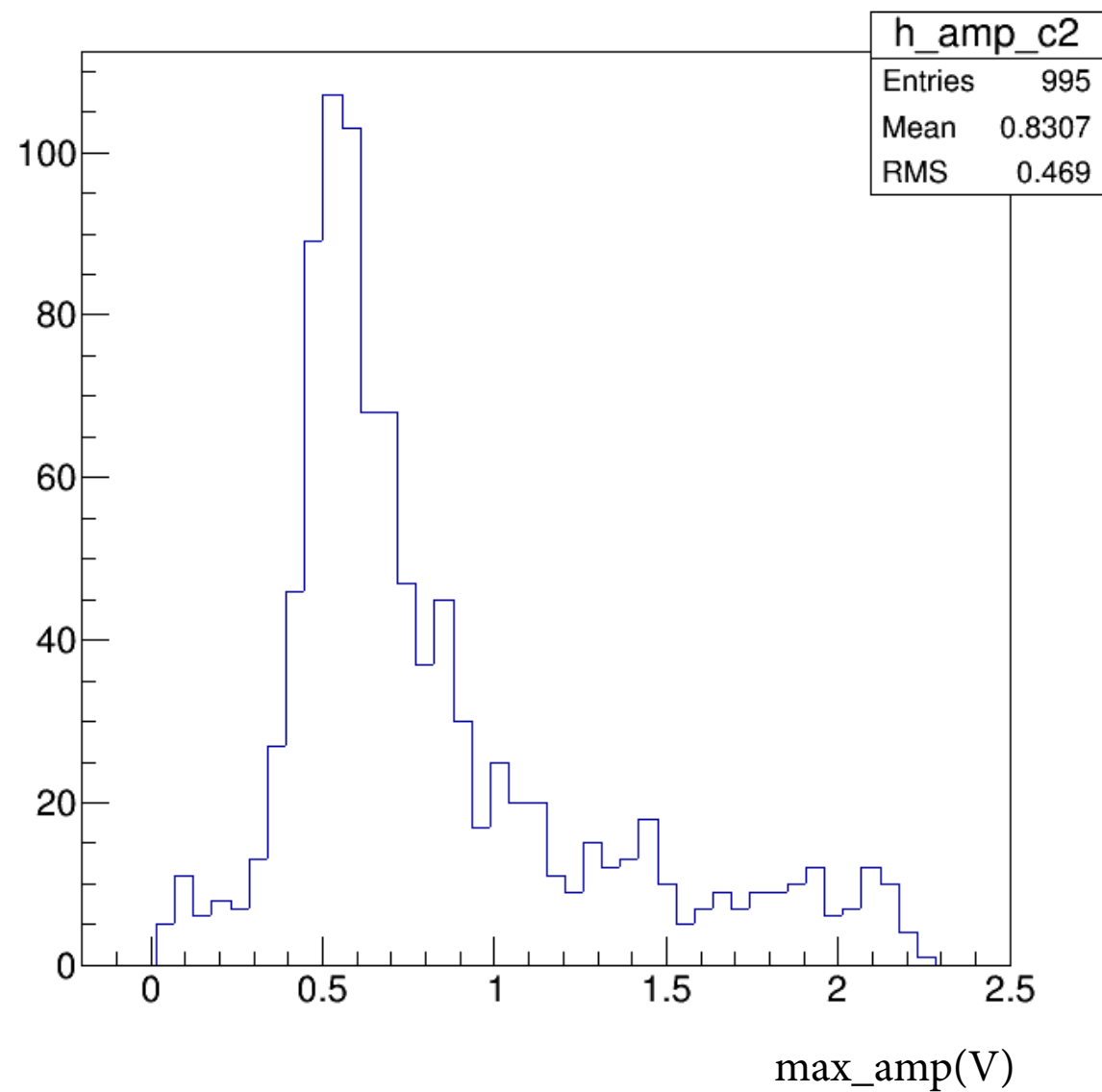


Thickness: 285 μm T:+20°C Vbias:200V Radiation dose: non-irr

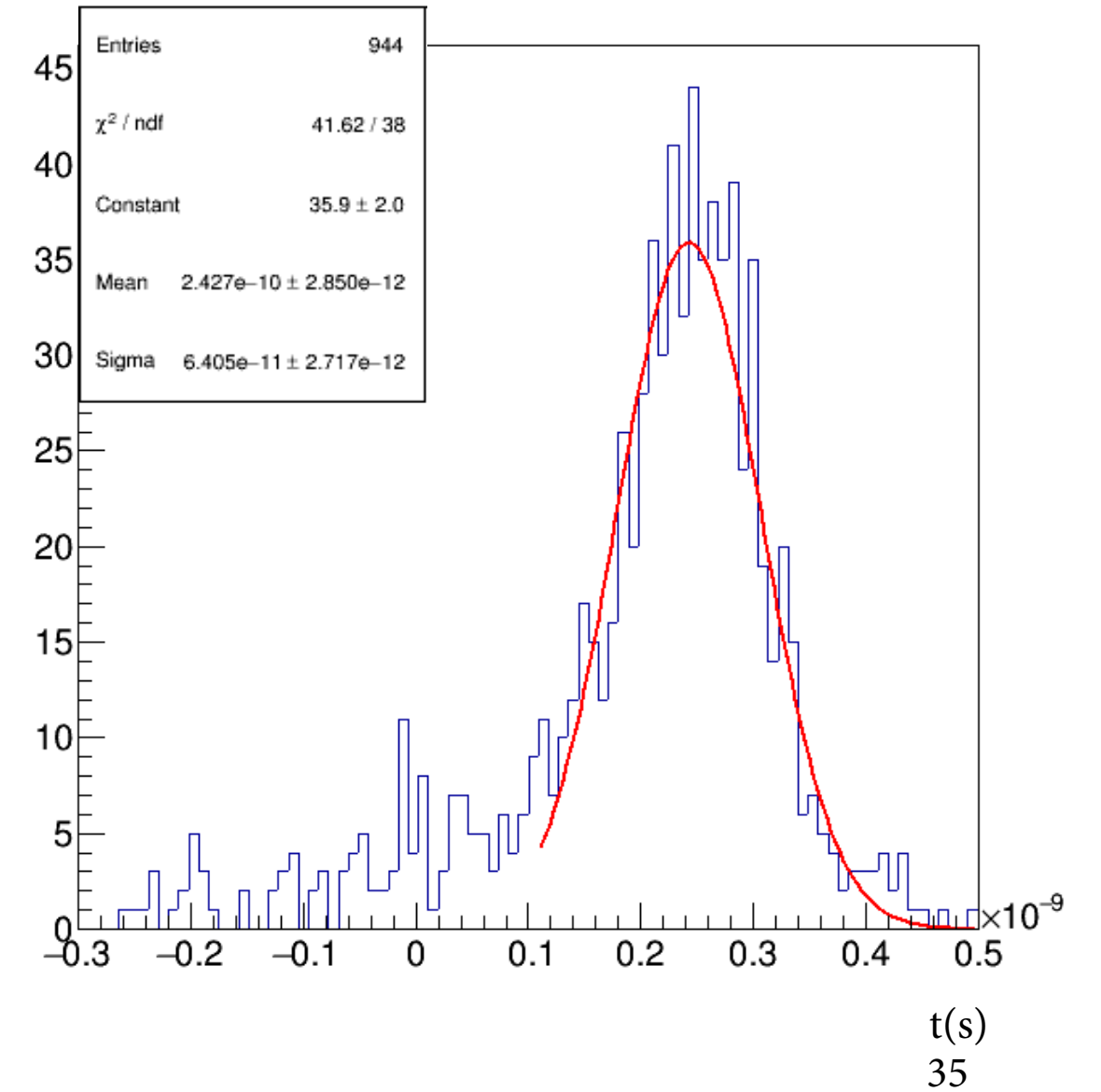
3D



LGAD

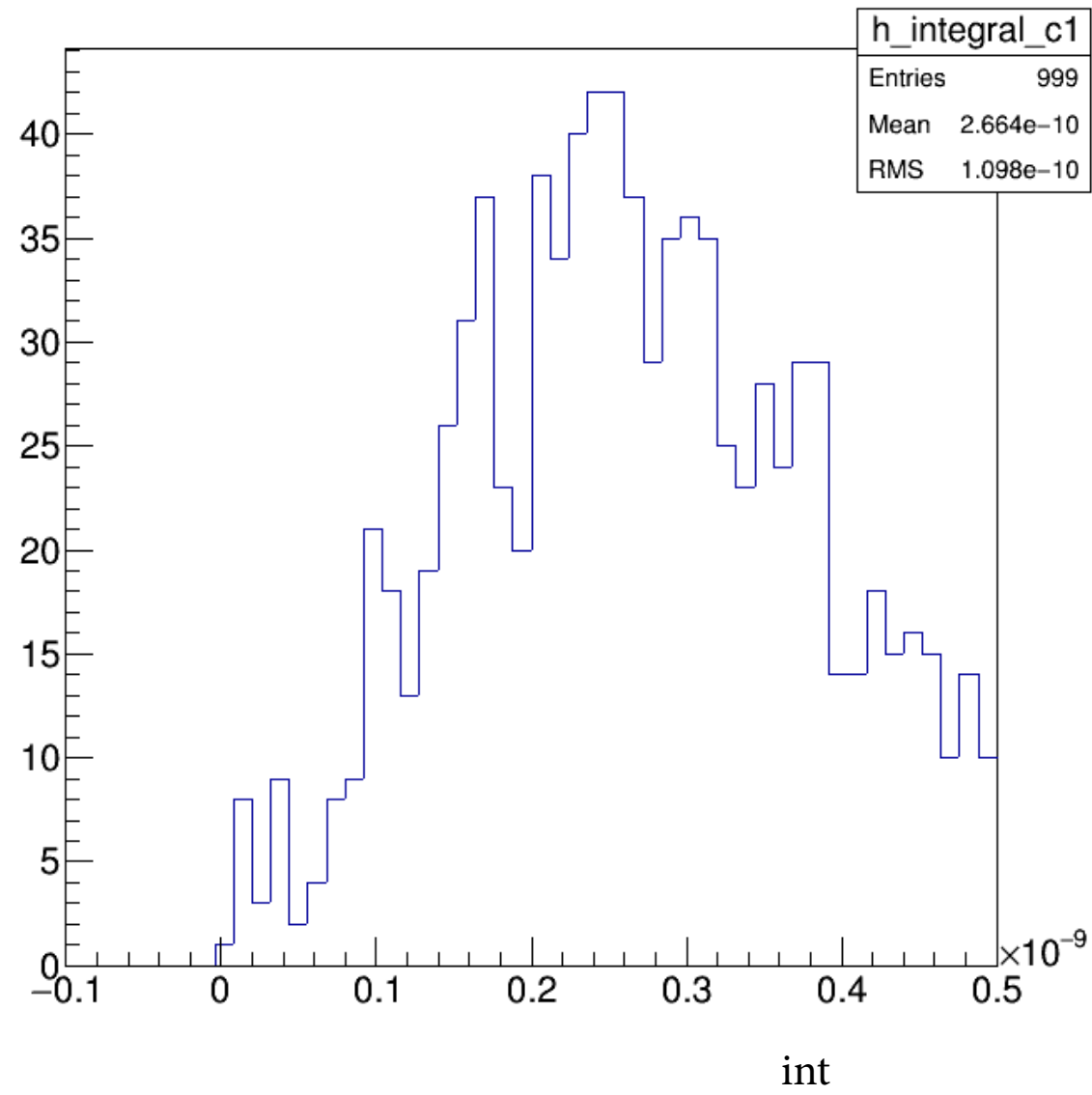


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

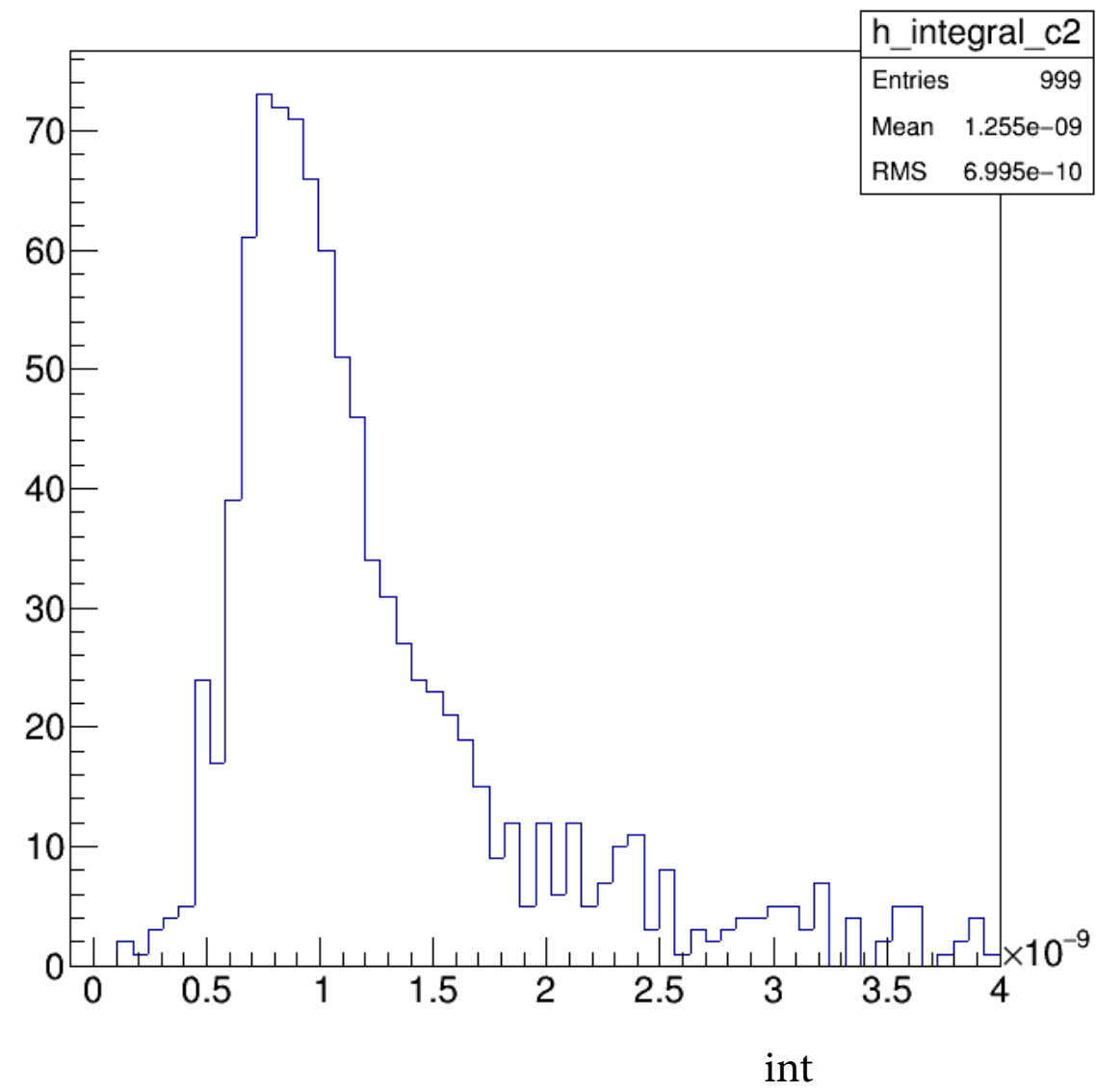


Thickness: 285 μm T:+20°C Vbias:200V Radiation dose: non-irr

3D



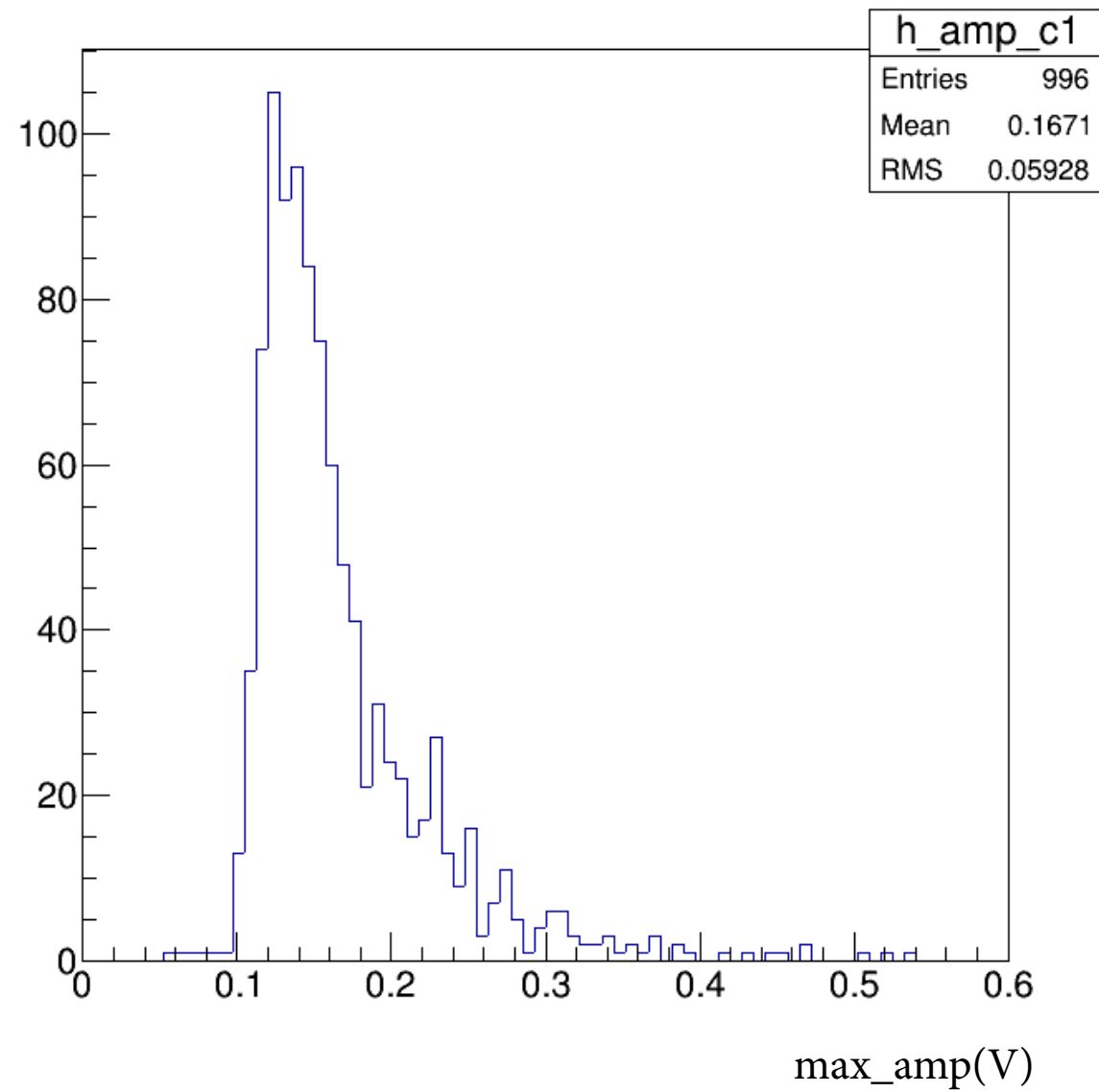
LGAD



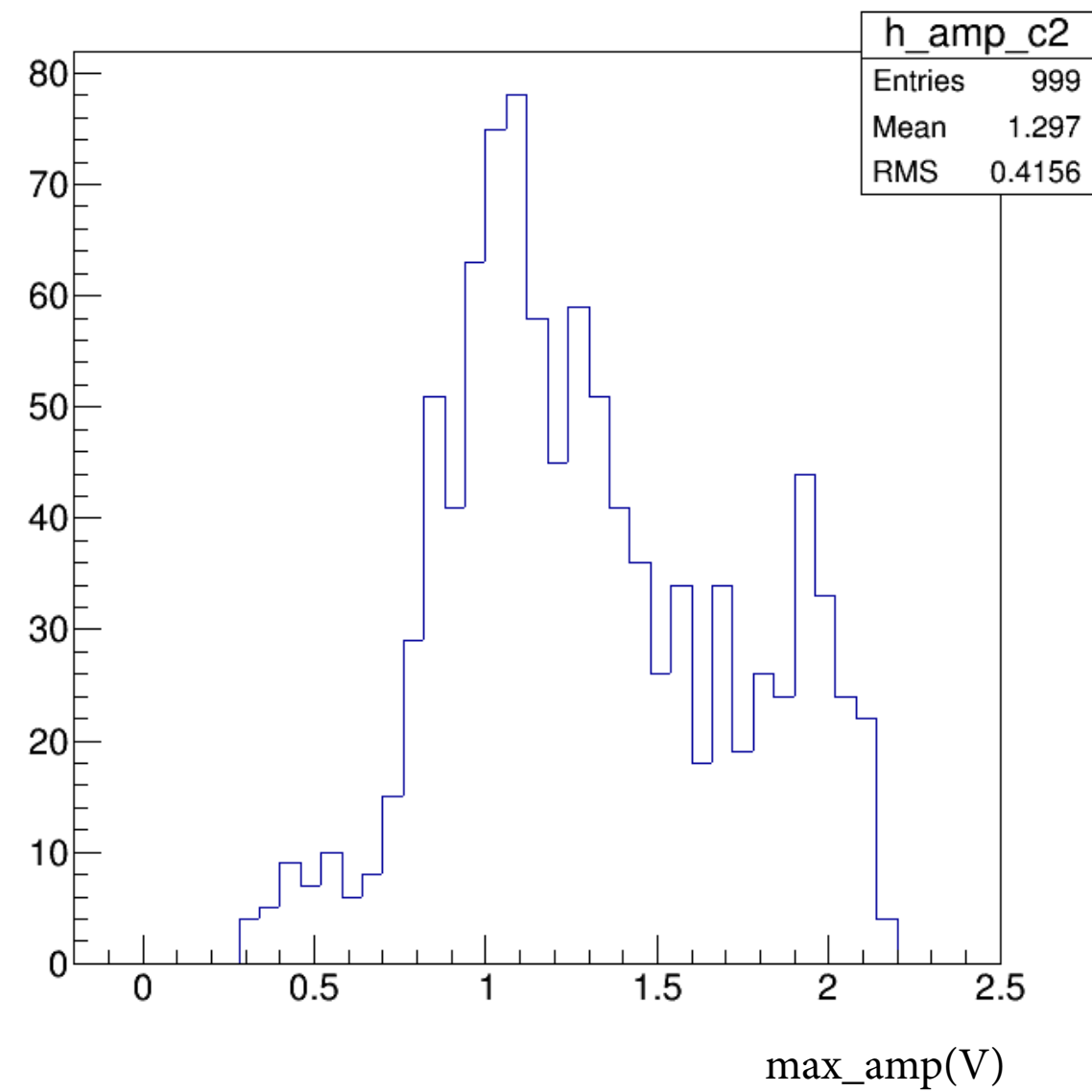
Thickness: 285 μm Radiation dose: 8×10^{14} 1MeV $N_{\text{eq}}/\text{cm}^2$

Thickness: 285 μm T: -20°C Vbias: 50V Radiation dose: $8e14$ 1MeV $N_{\text{eq}}/\text{cm}^2$

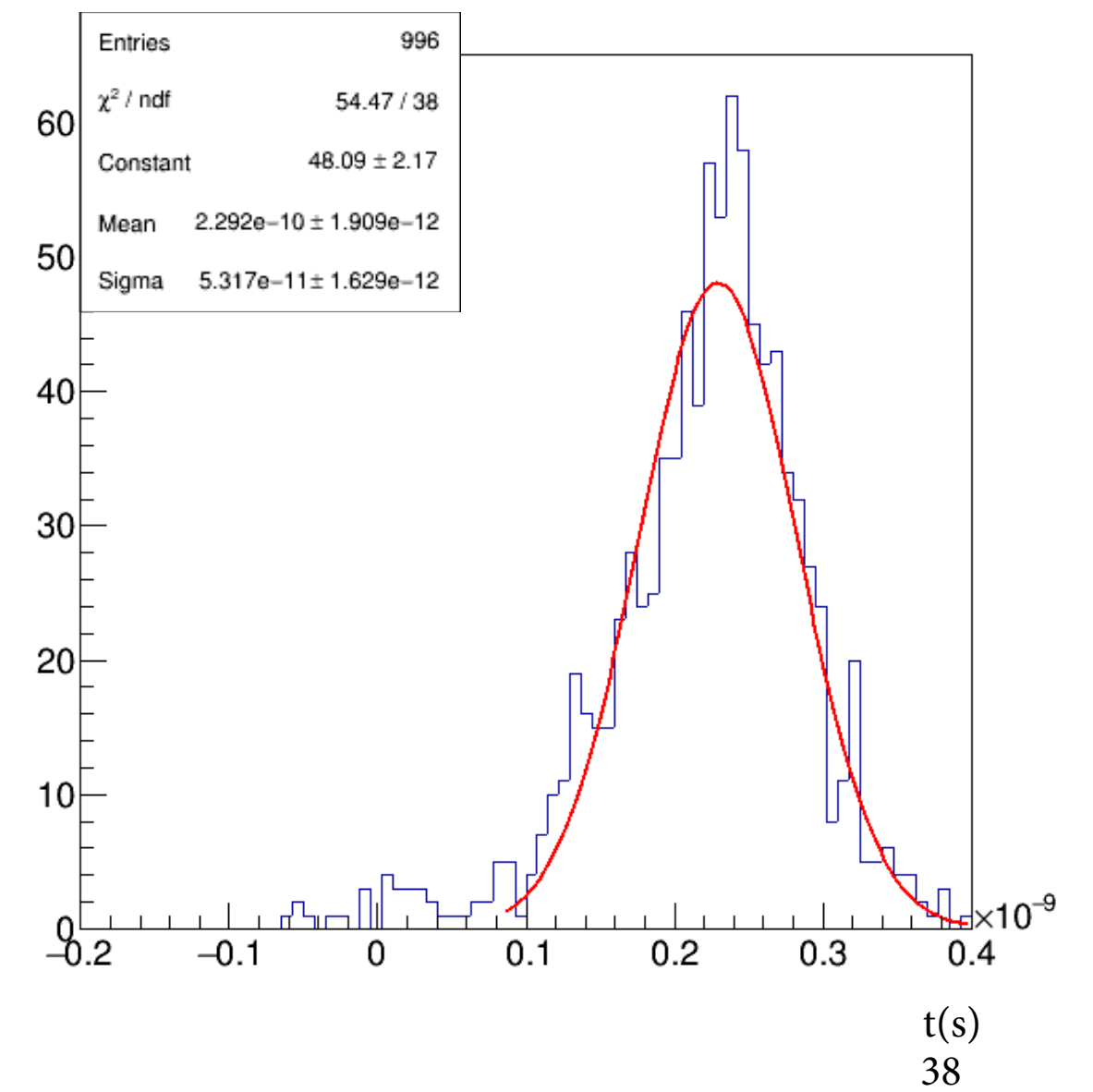
3D



LGAD

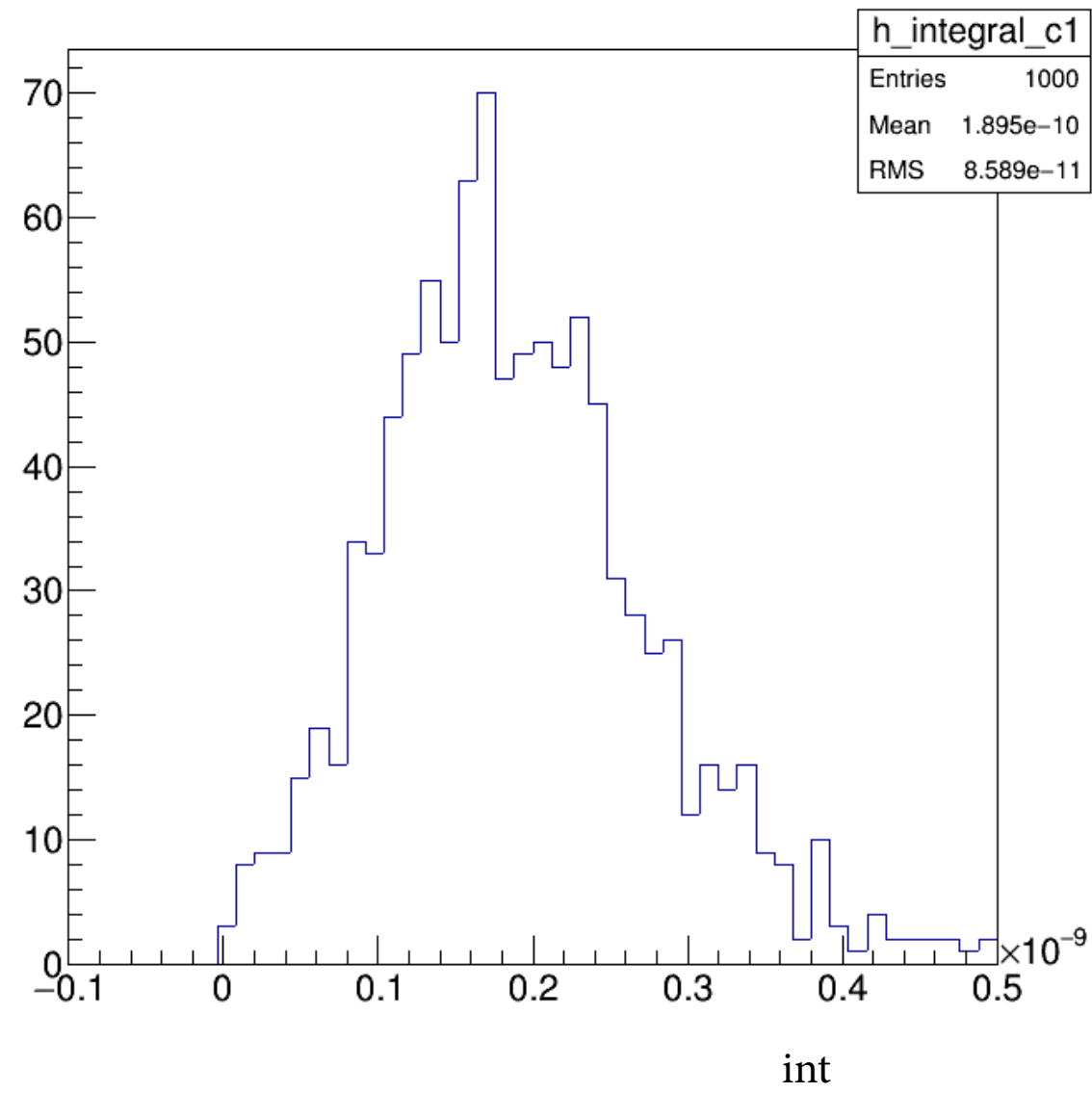


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

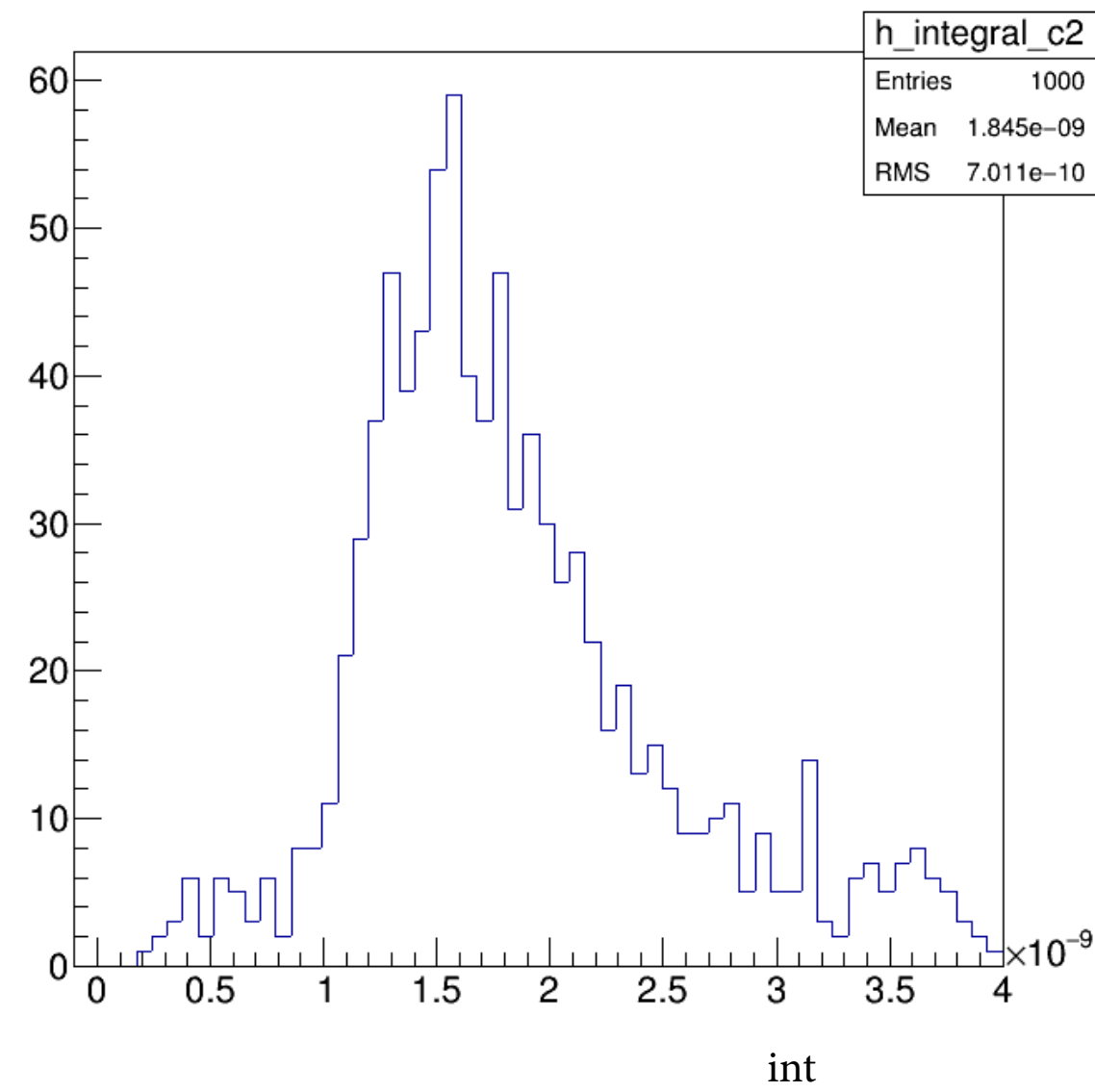


Thickness: 285 μm T:-20°C Vbias:50V Radiation dose: $8\text{e}14$ 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

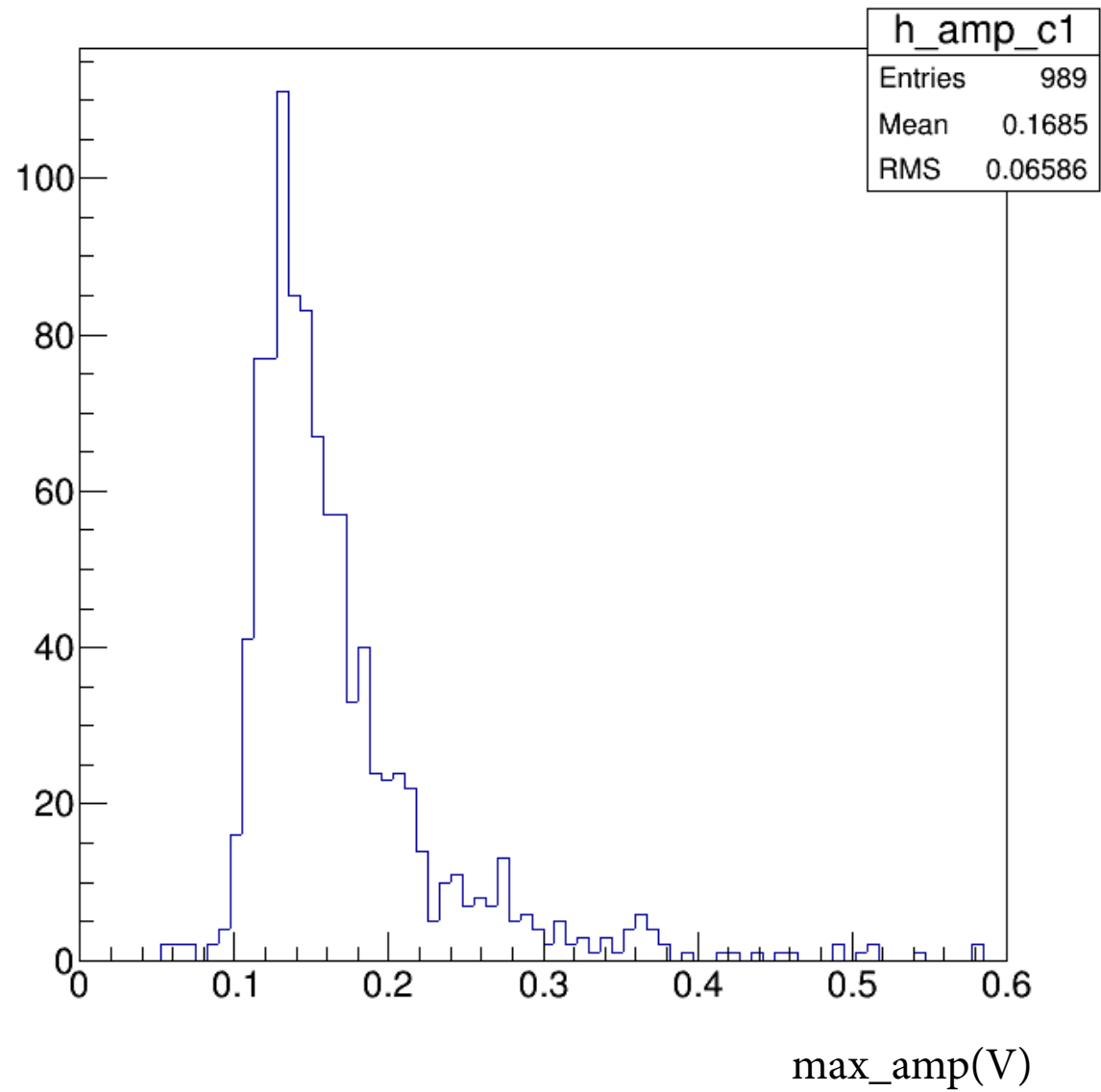


LGAD

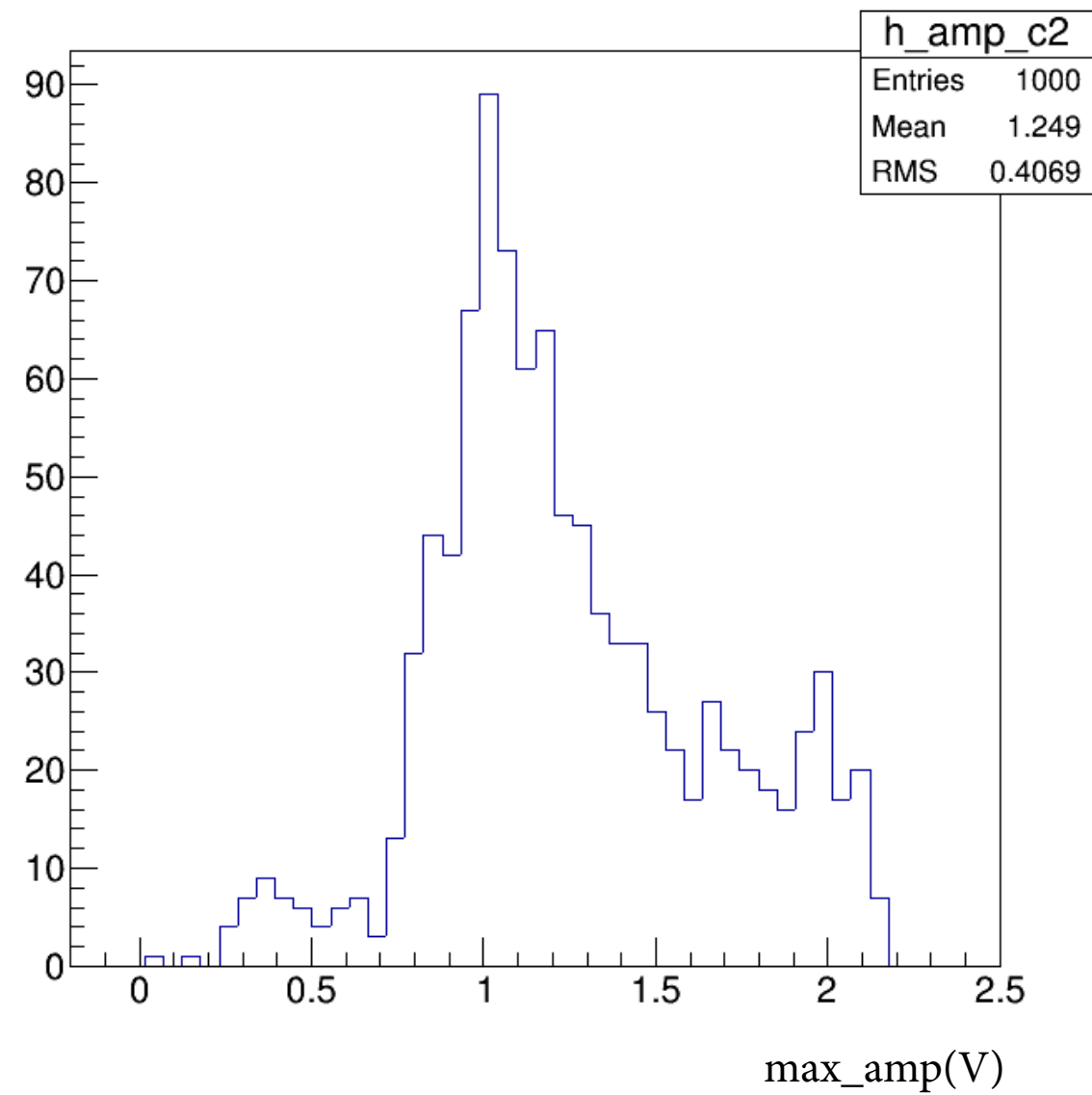


Thickness: 285 μm T: -20°C Vbias: 100V Radiation dose: $8e14$ 1MeV $N_{\text{eq}}/\text{cm}^2$

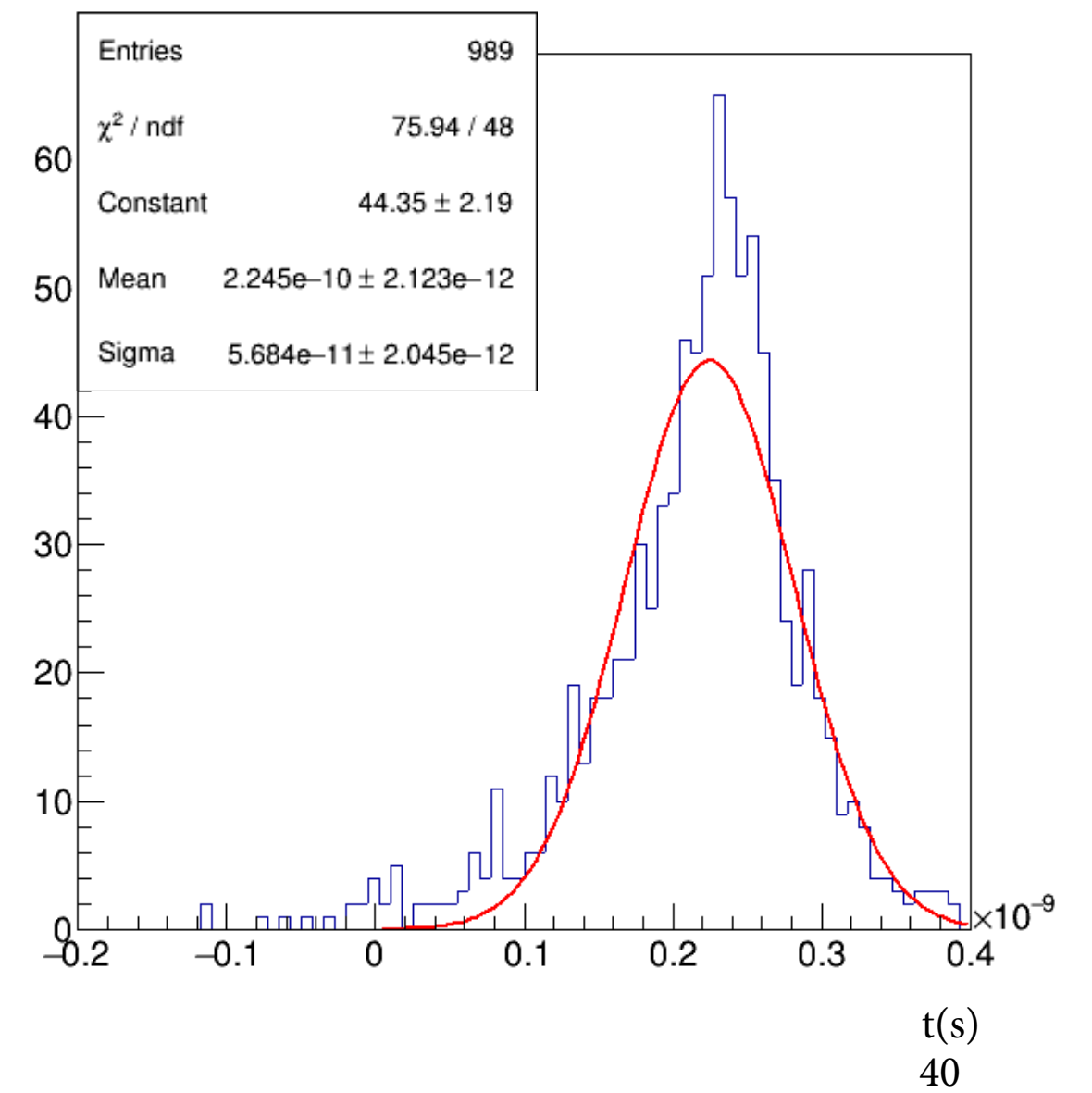
3D



LGAD

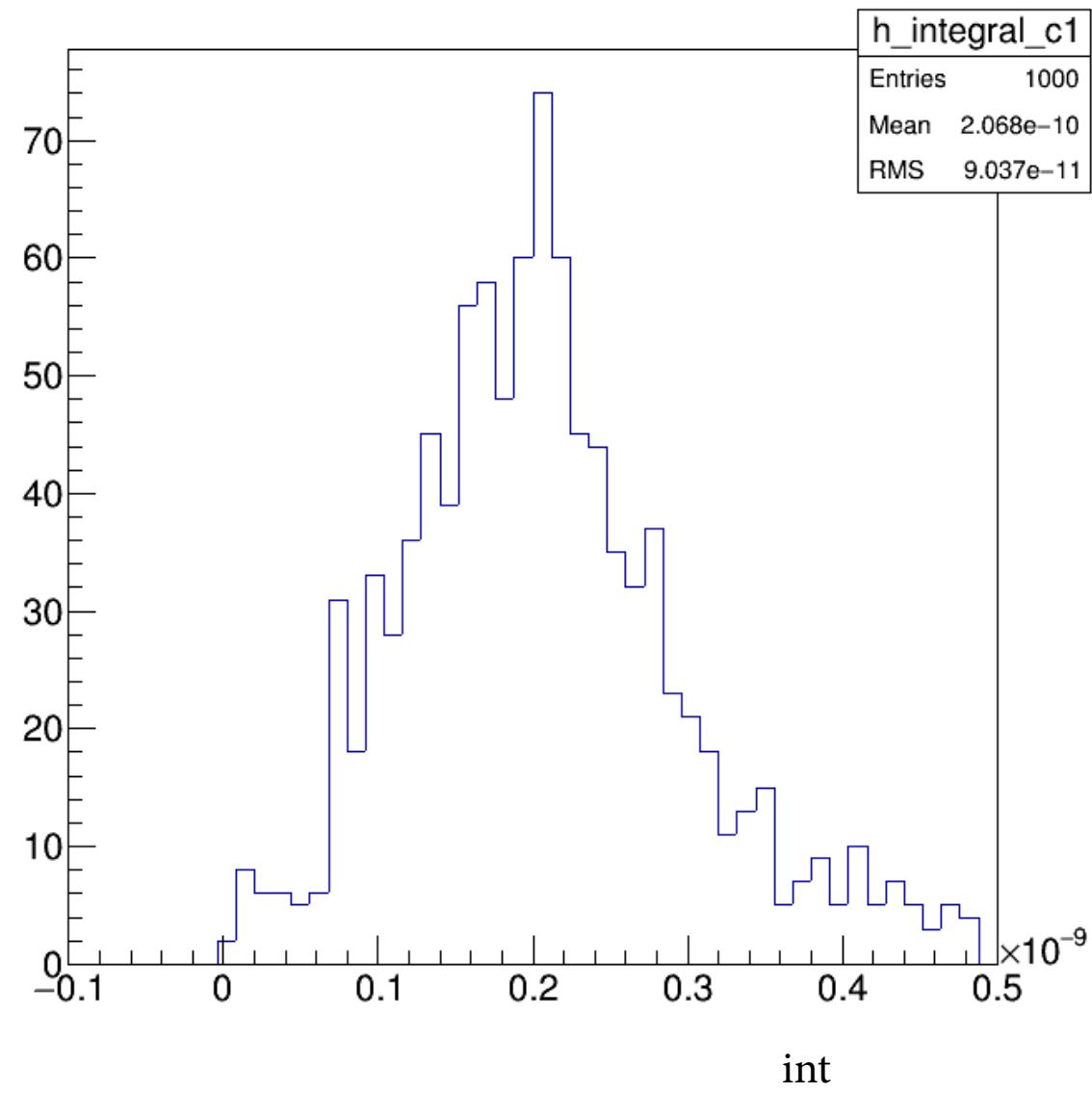


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

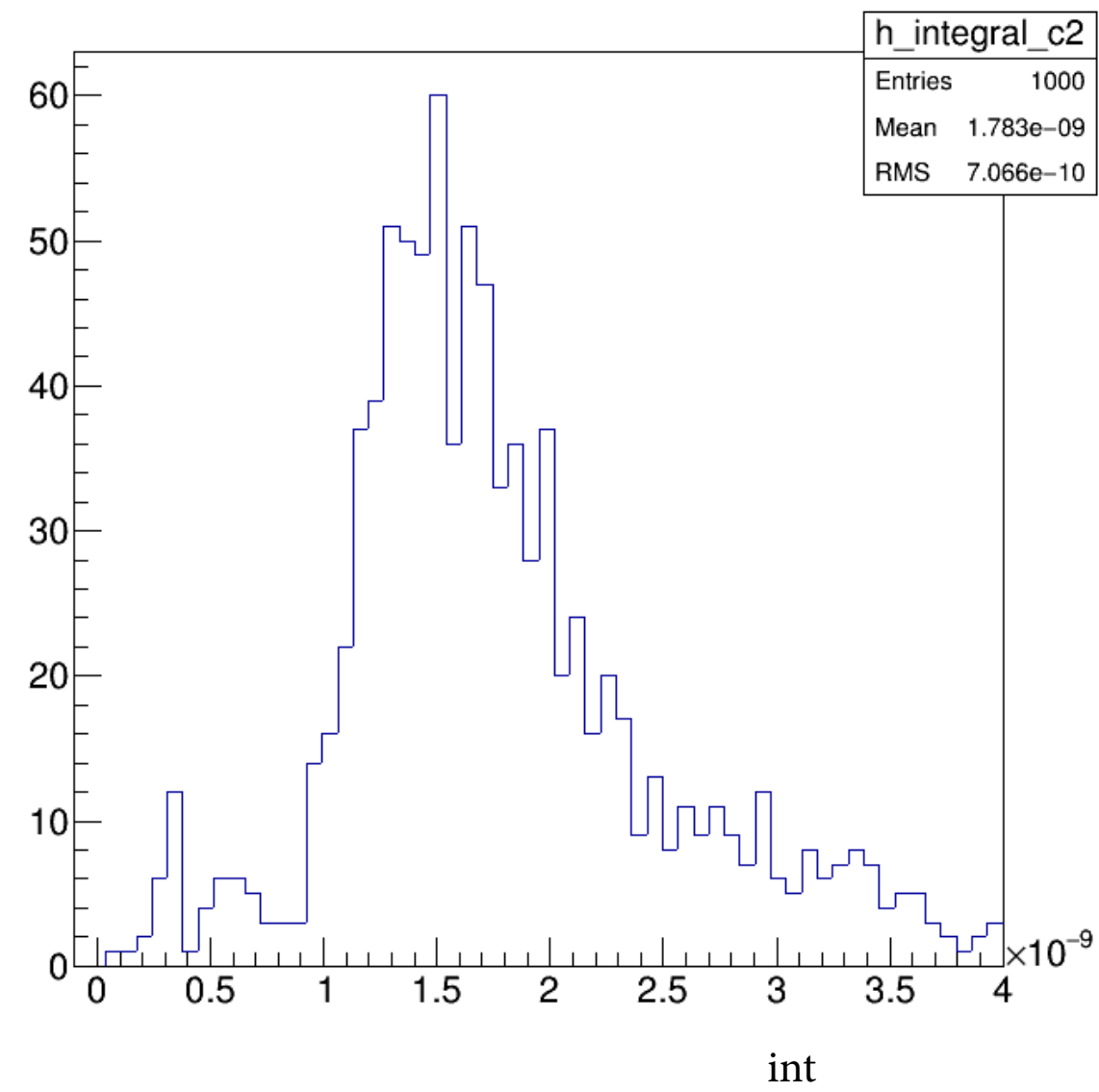


Thickness: 285 μm T: -20°C Vbias: 100V Radiation dose: $8e14$ 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

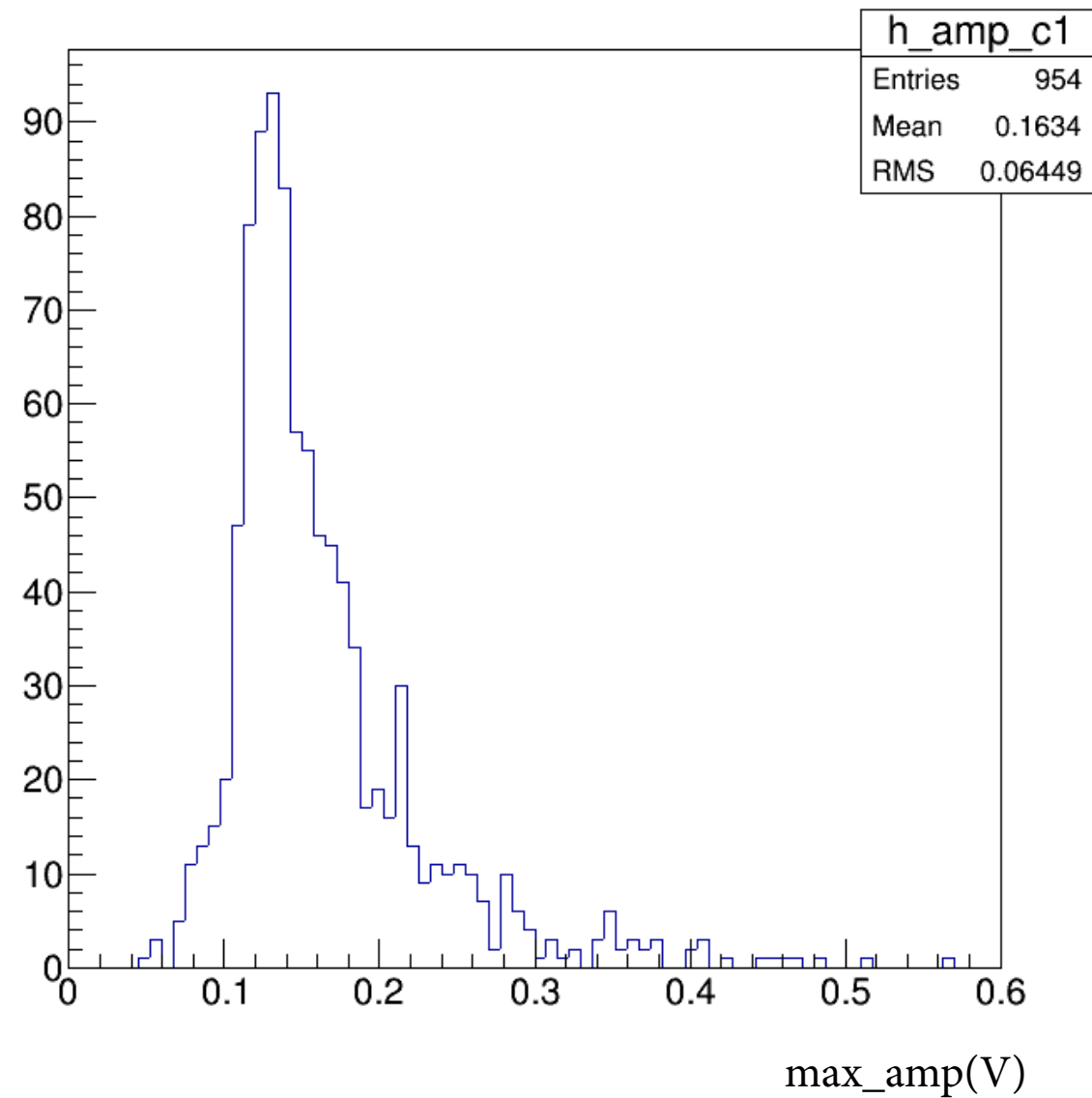


LGAD

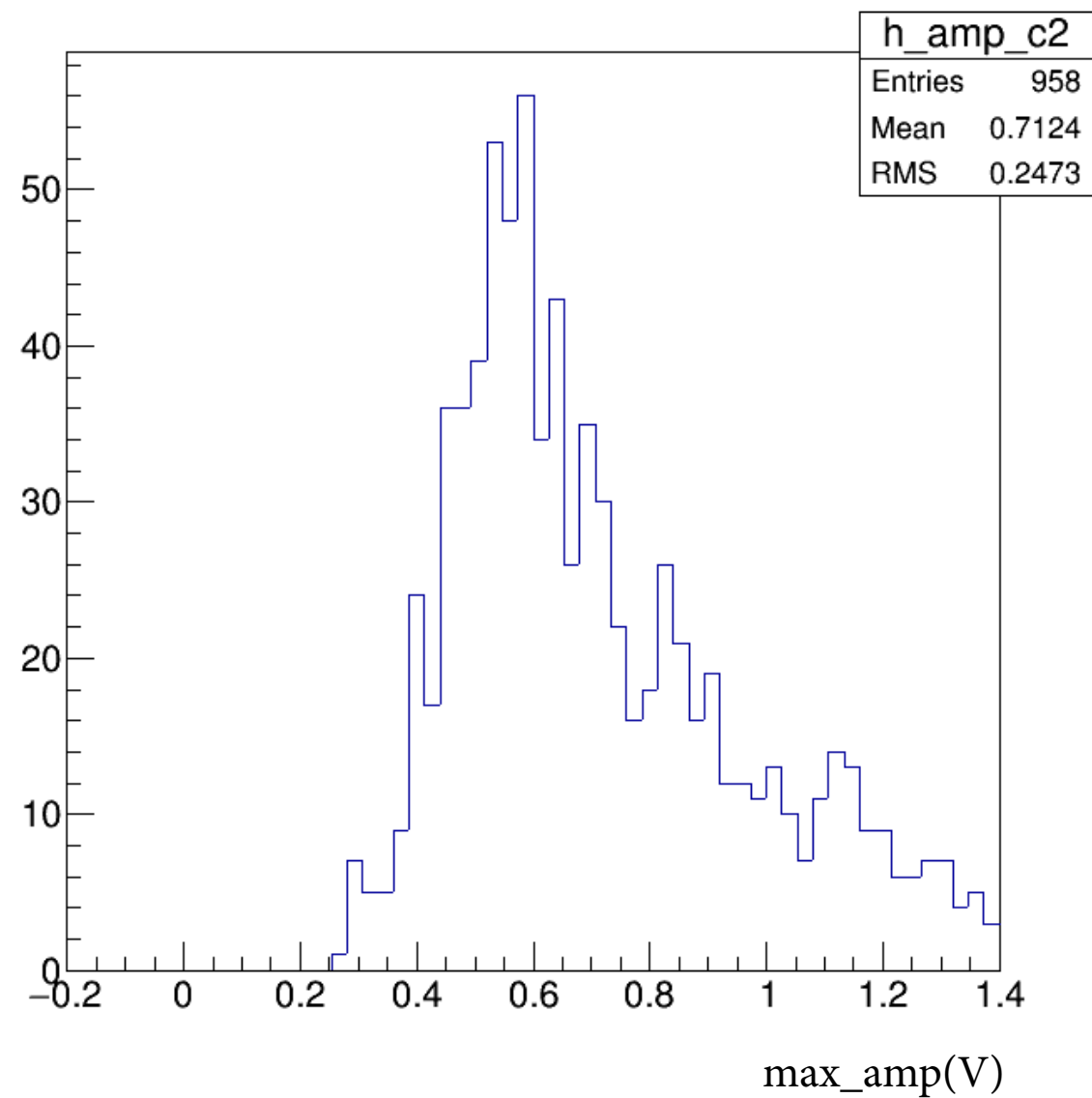


Thickness: 285 μm T:+20°C Vbias:50V Radiation dose: 8e14 1MeV $N_{\text{eq}}/\text{cm}^2$

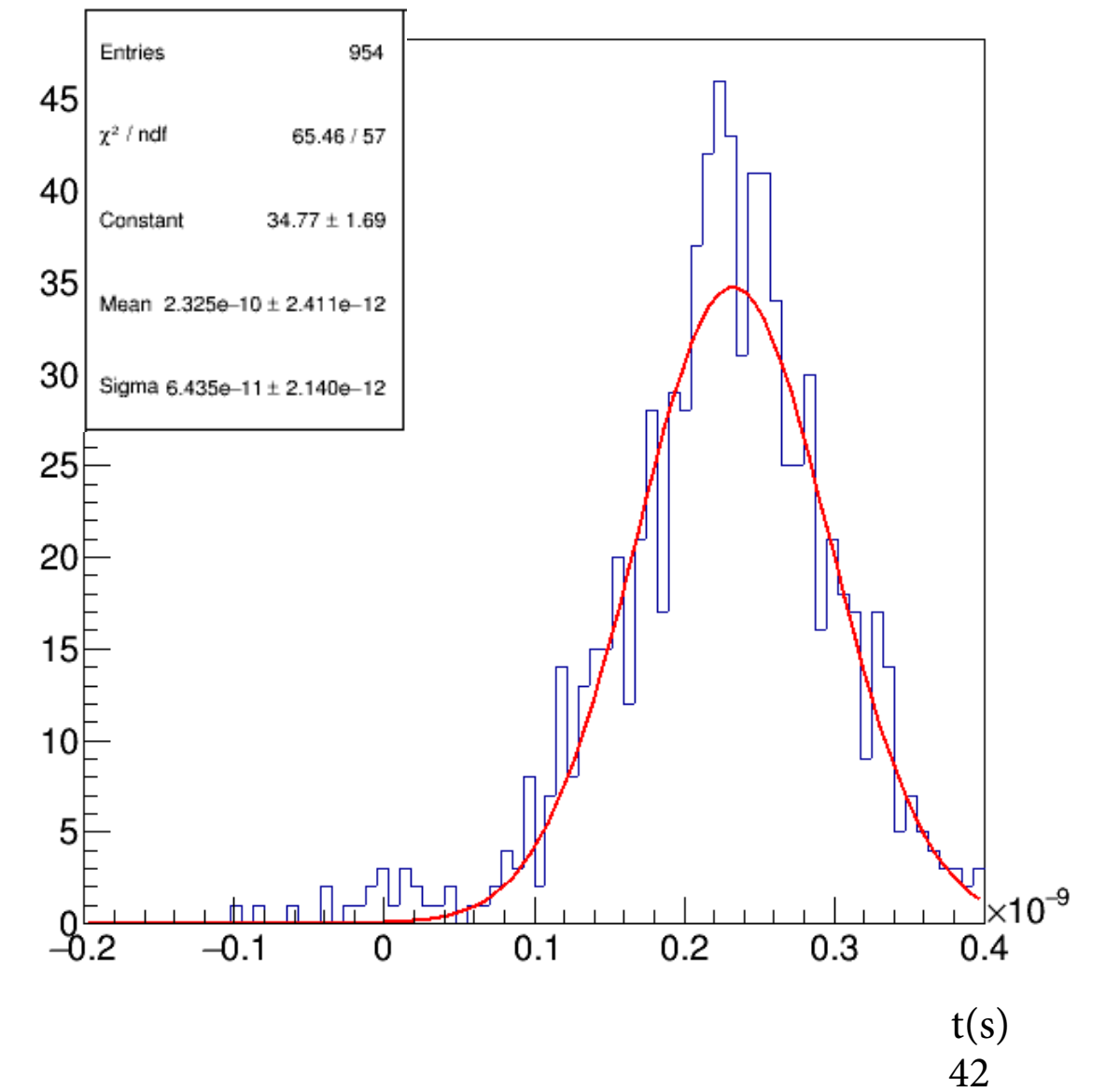
3D



LGAD

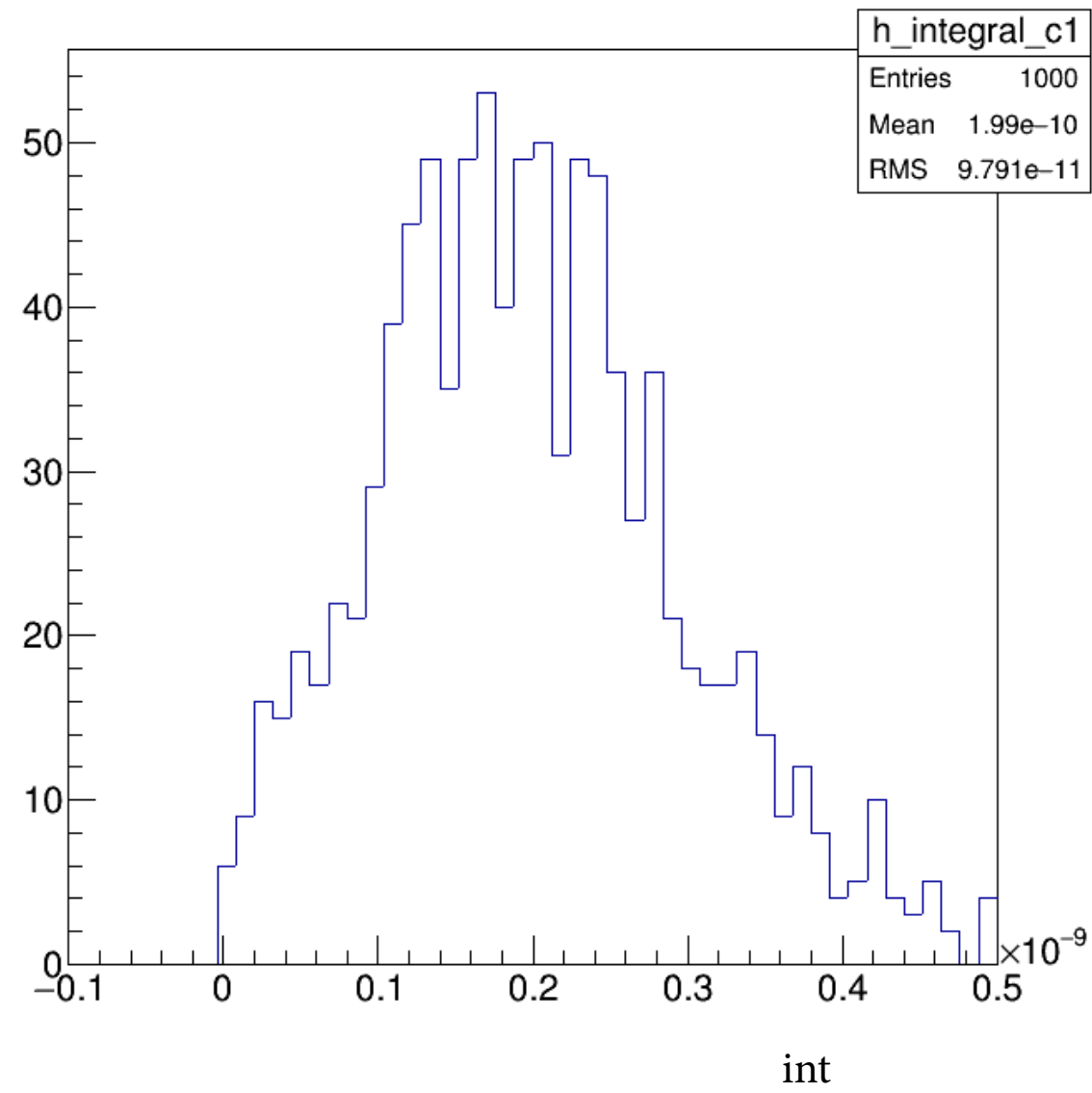


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

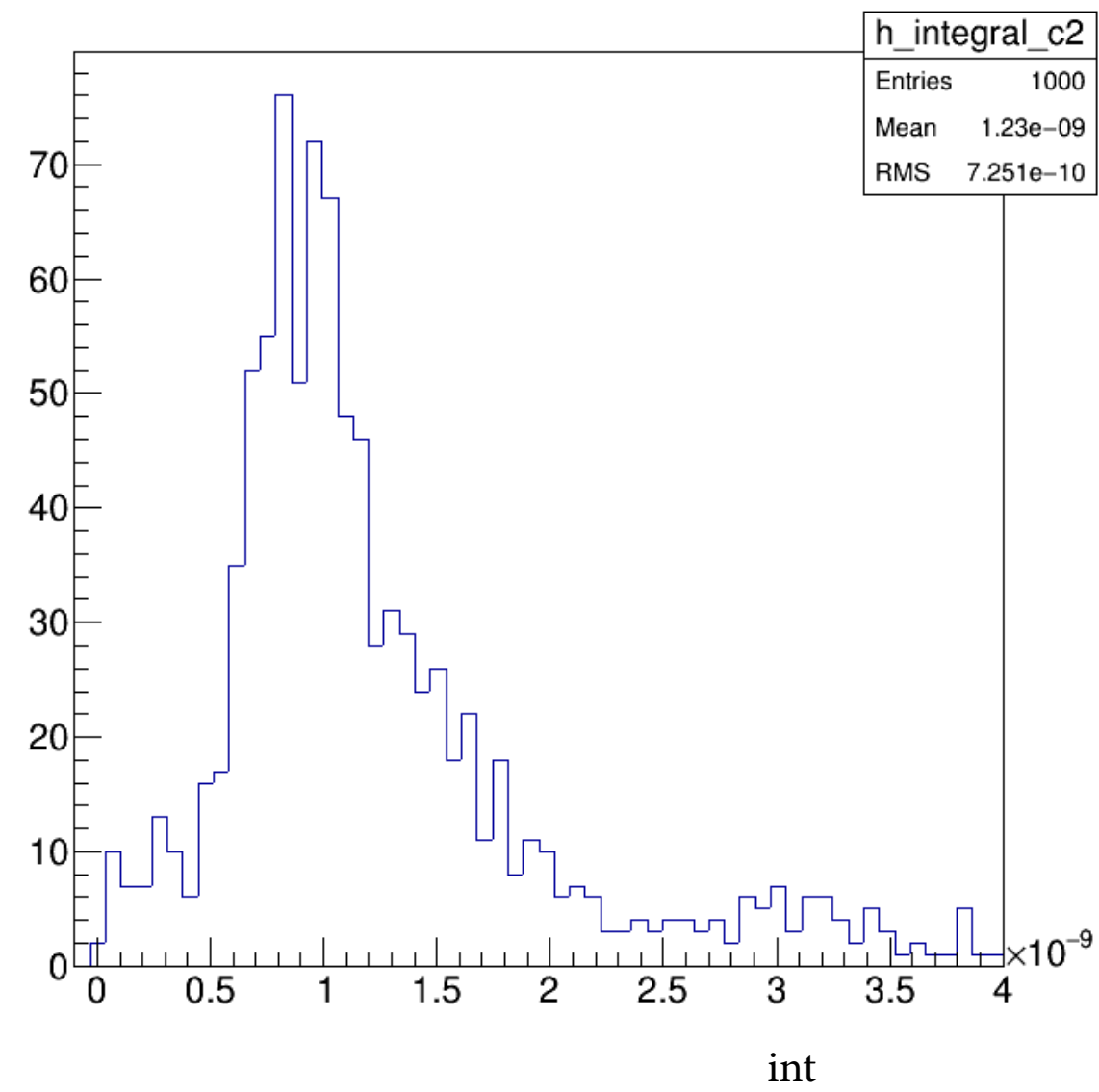


Thickness: 285 μm T:+20°C Vbias:50V Radiation dose: 8e14 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

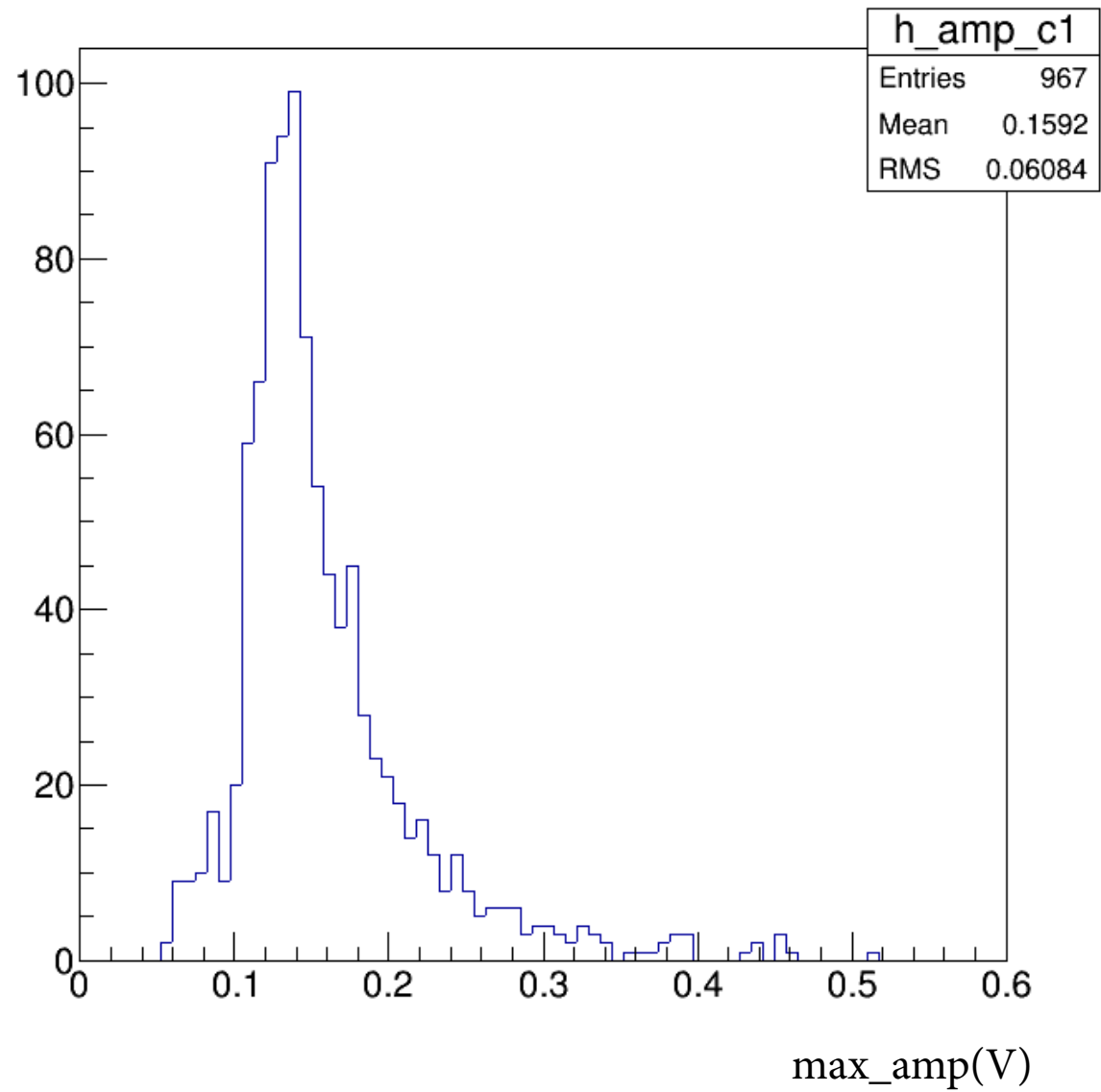


LGAD

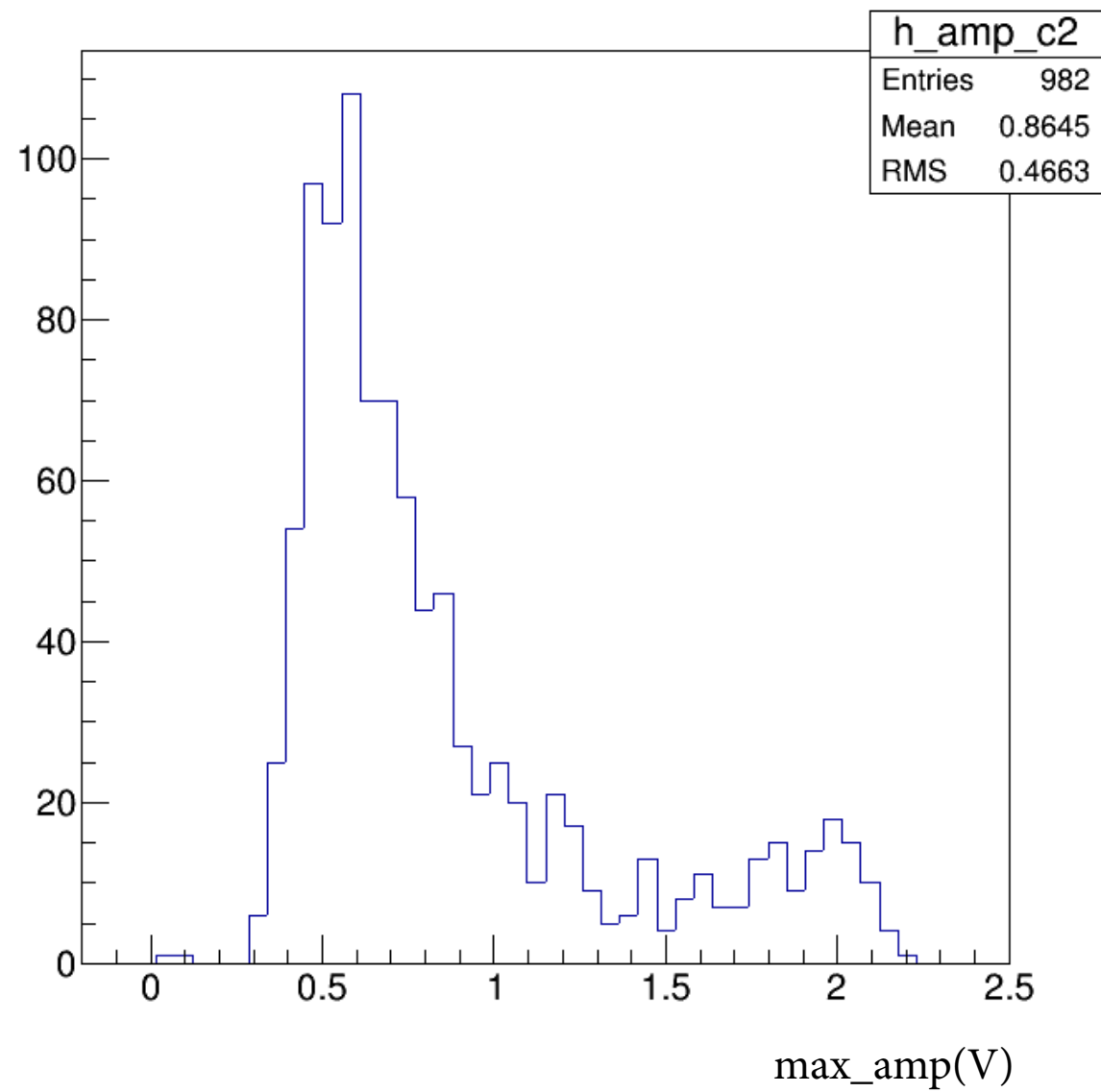


Thickness: 285 μm T:+20°C Vbias:100V Radiation dose: $8e14$ 1MeV N_{eq}/cm^2

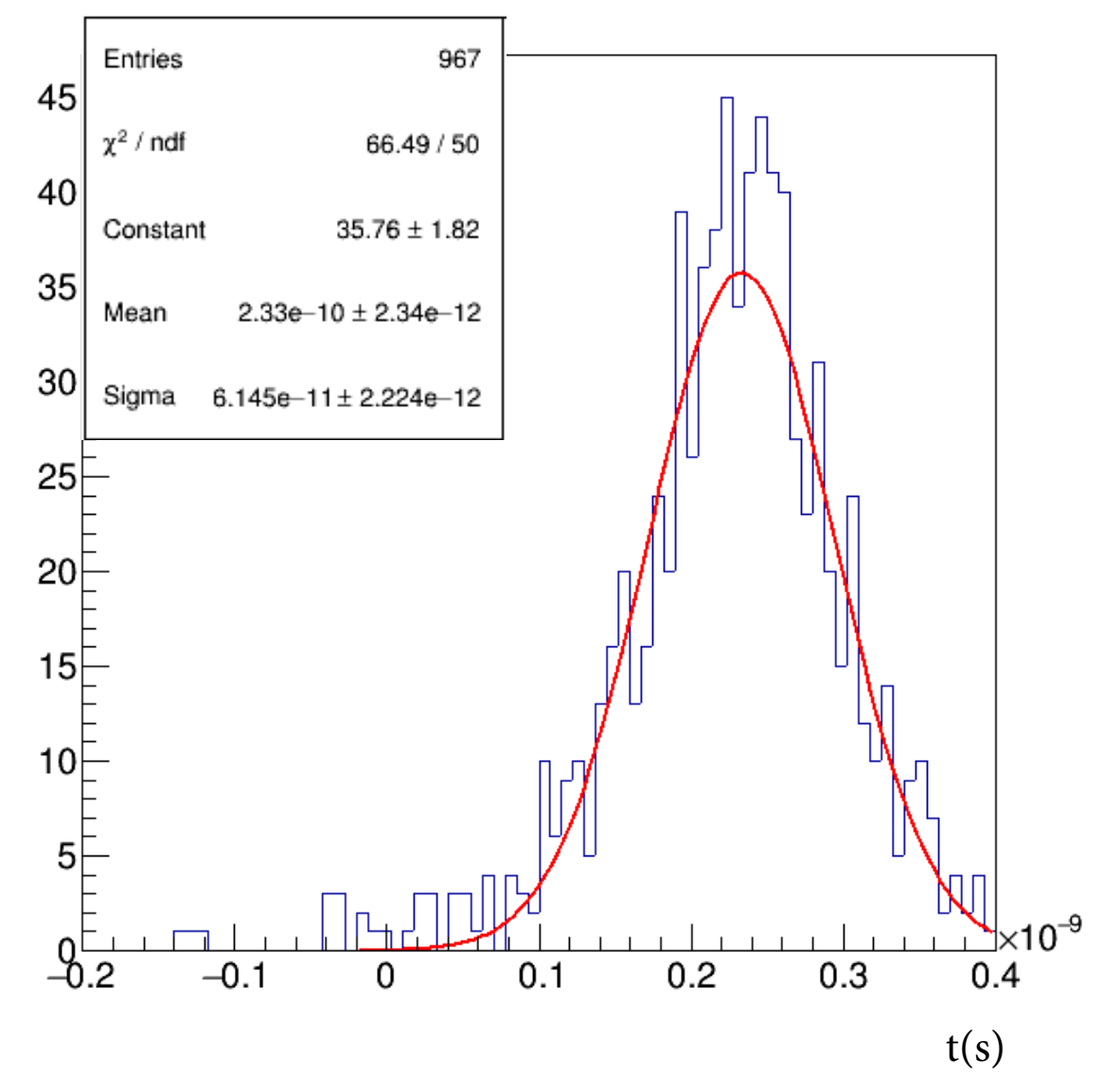
3D



LGAD

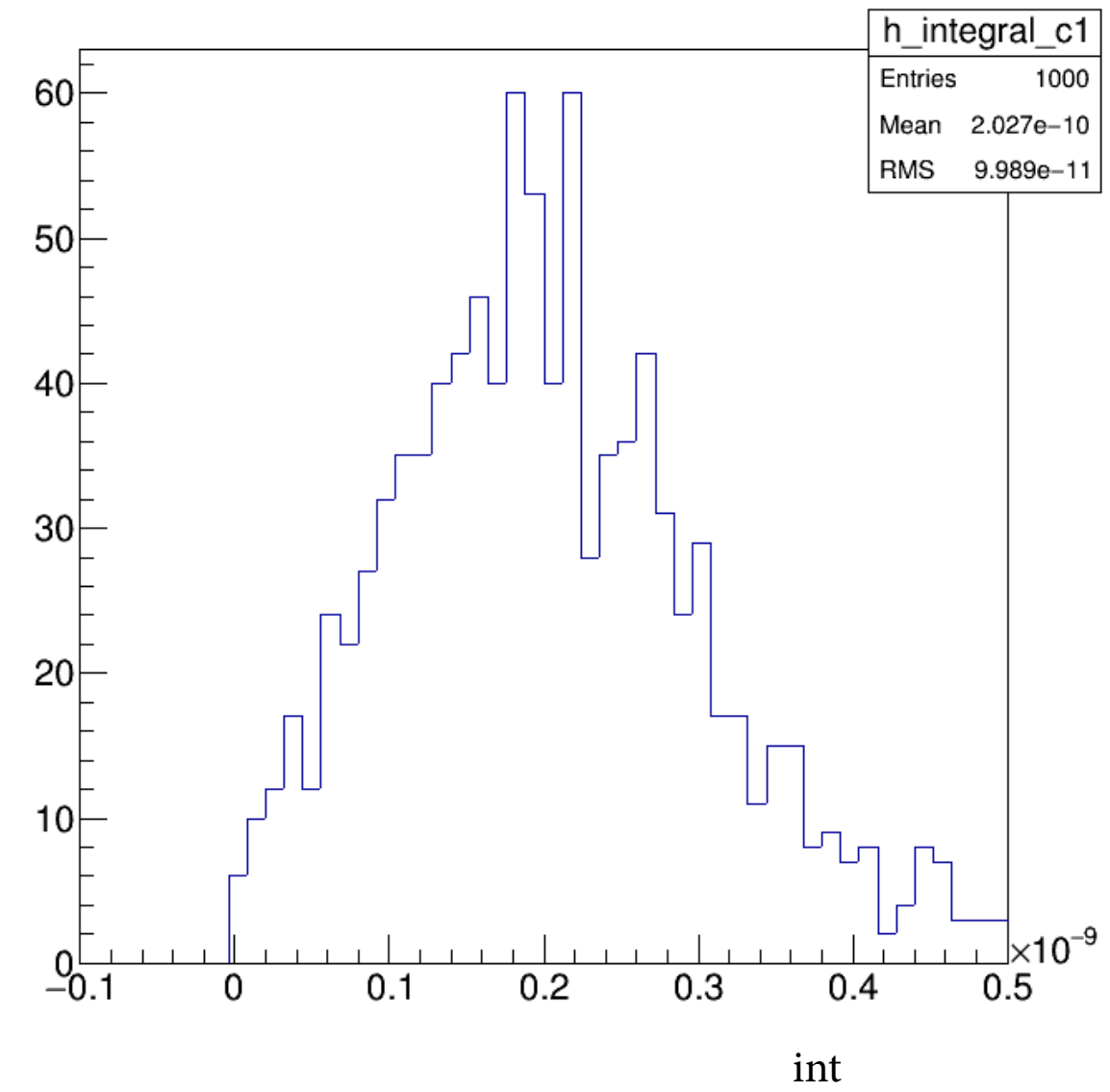


$\Delta t = t_{LGAD} - t_{3D}$

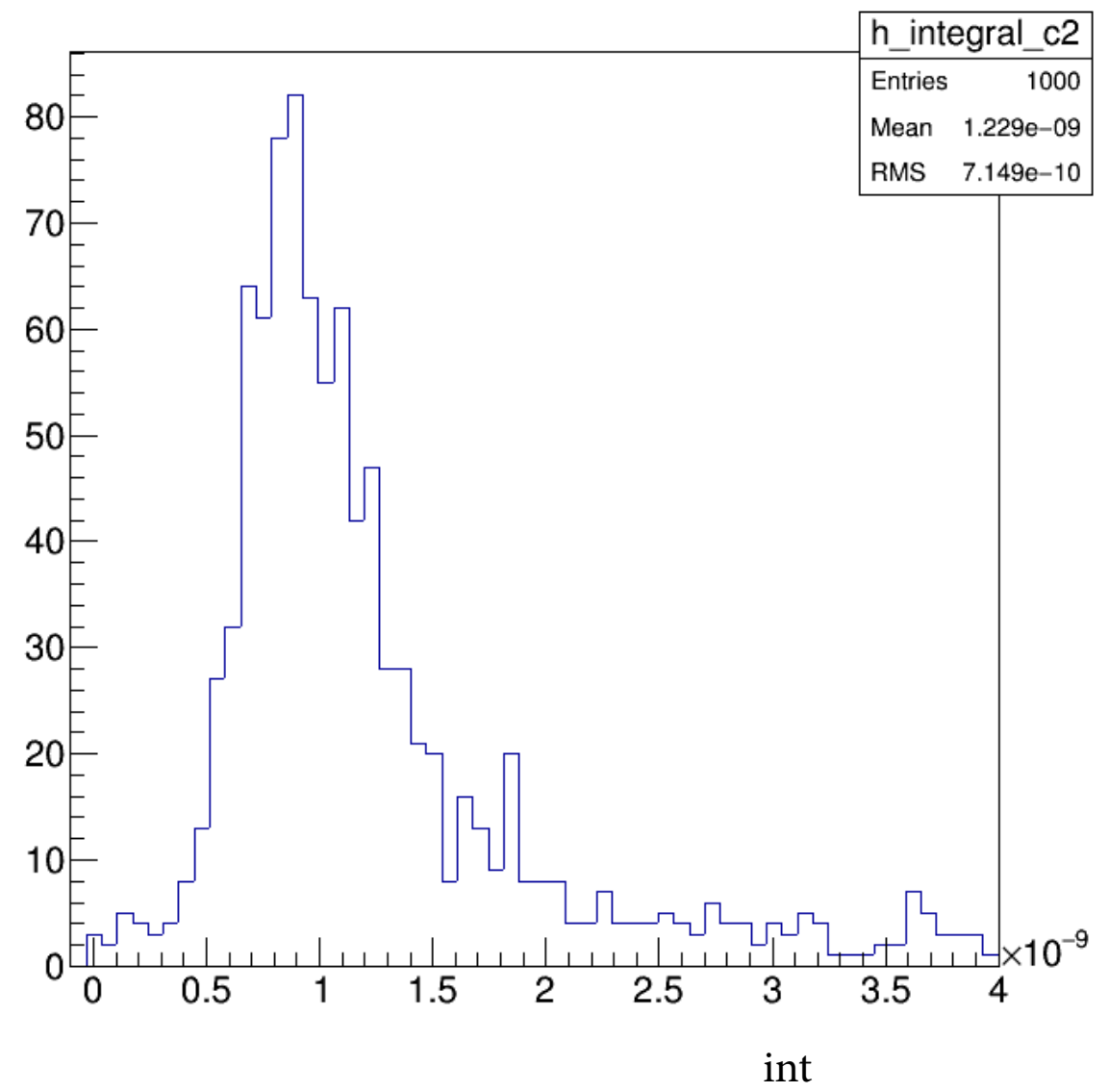


Thickness: 285 μm T:+20°C Vbias:100V Radiation dose: 8e14 1MeV $N_{\text{eq}}/\text{cm}^2$

3D



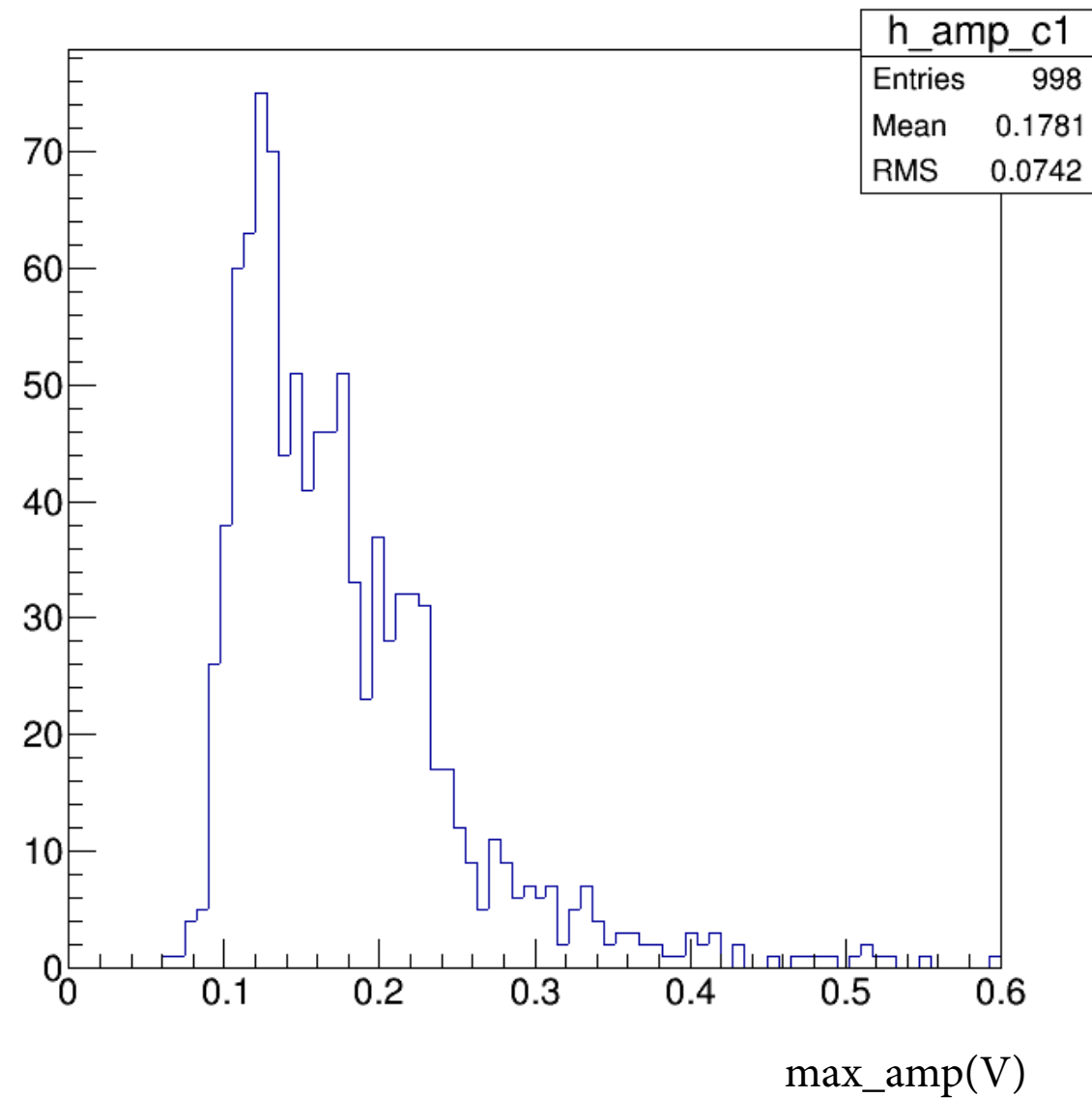
LGAD



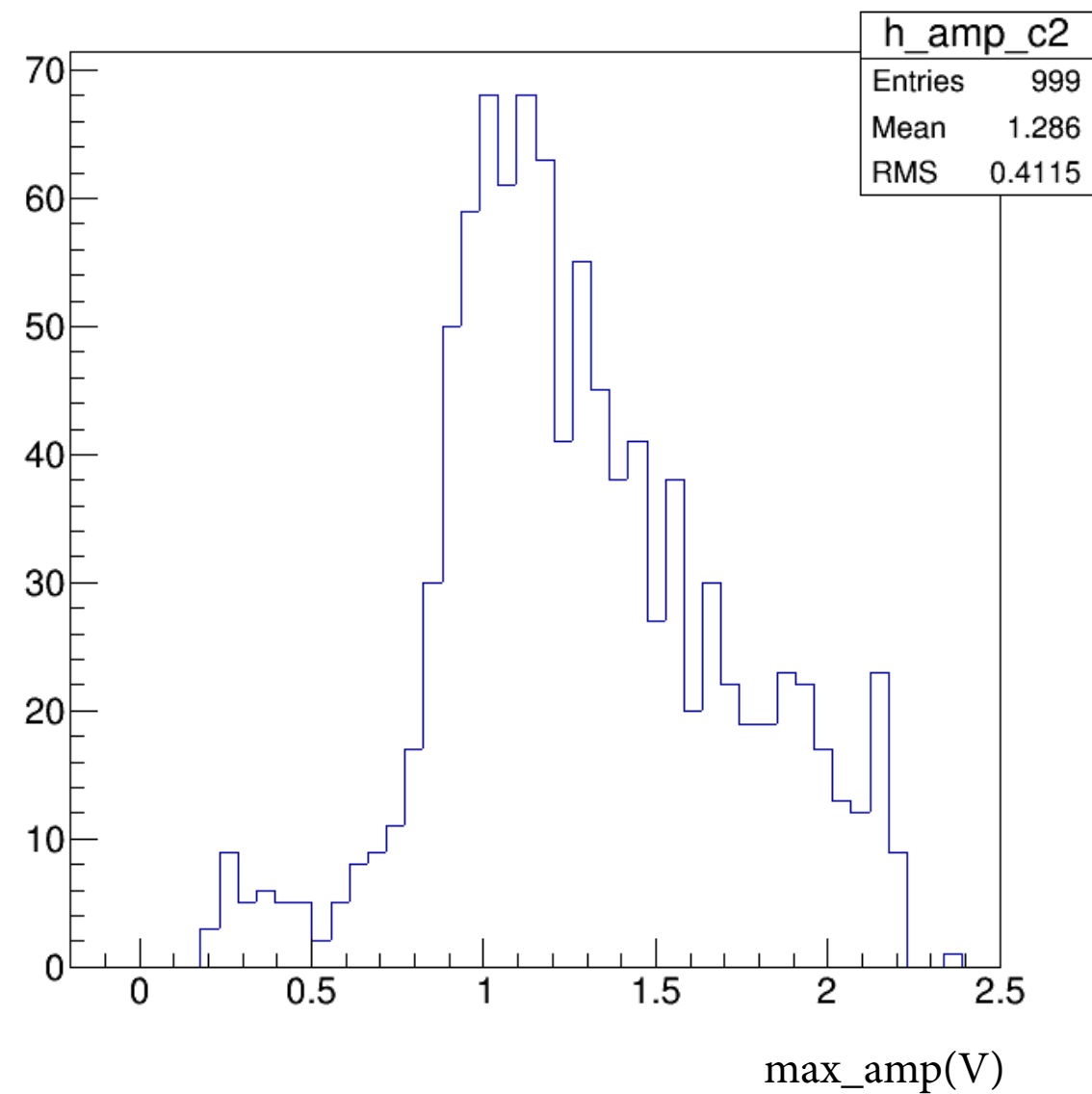
Thickness: 285 μm Radiation dose: 2.3×10^{15} 1MeV $N_{\text{eq}}/\text{cm}^2$

Thickness: 285 μm T:-20°C Vbias:100V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

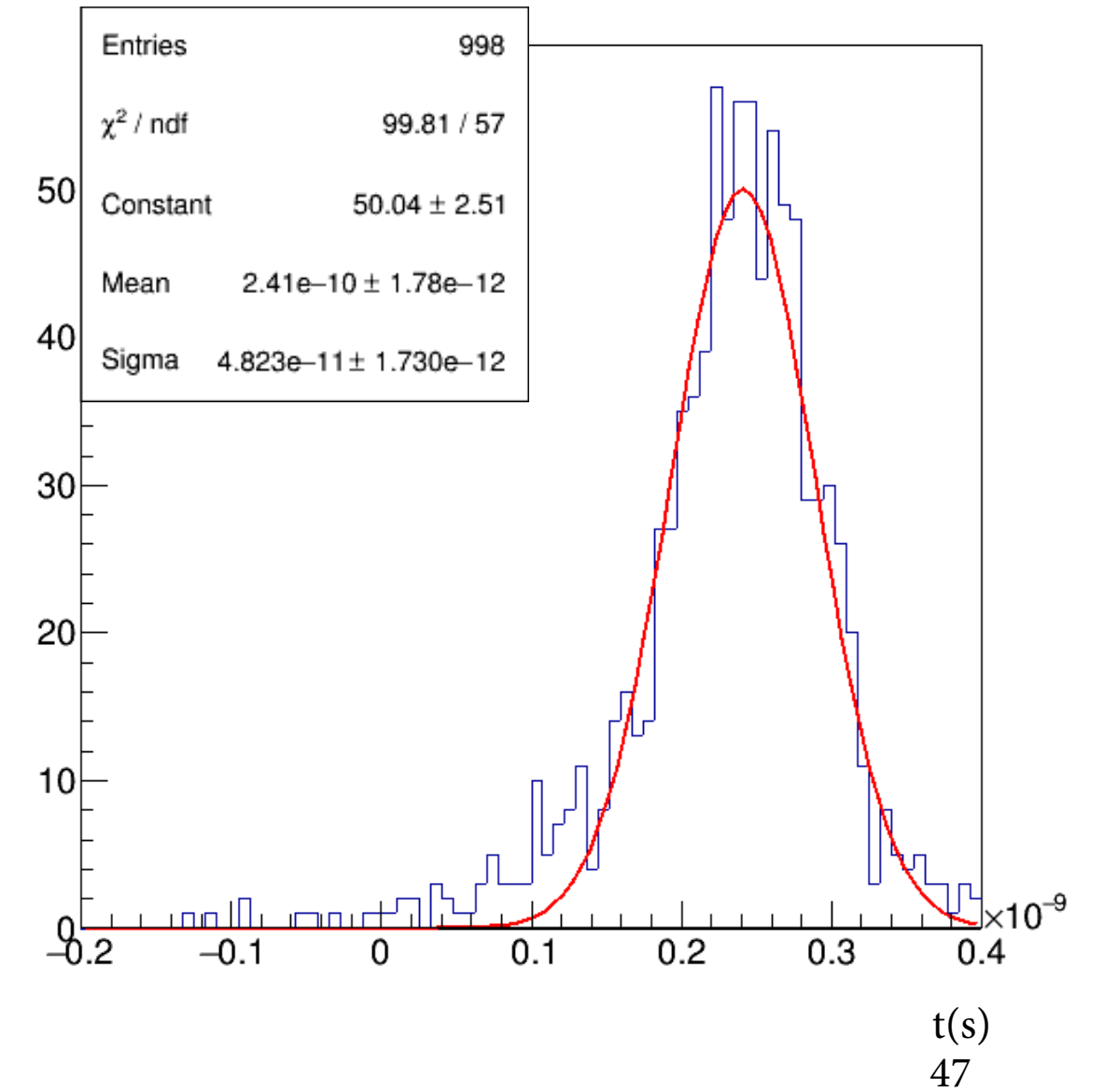
3D



LGAD

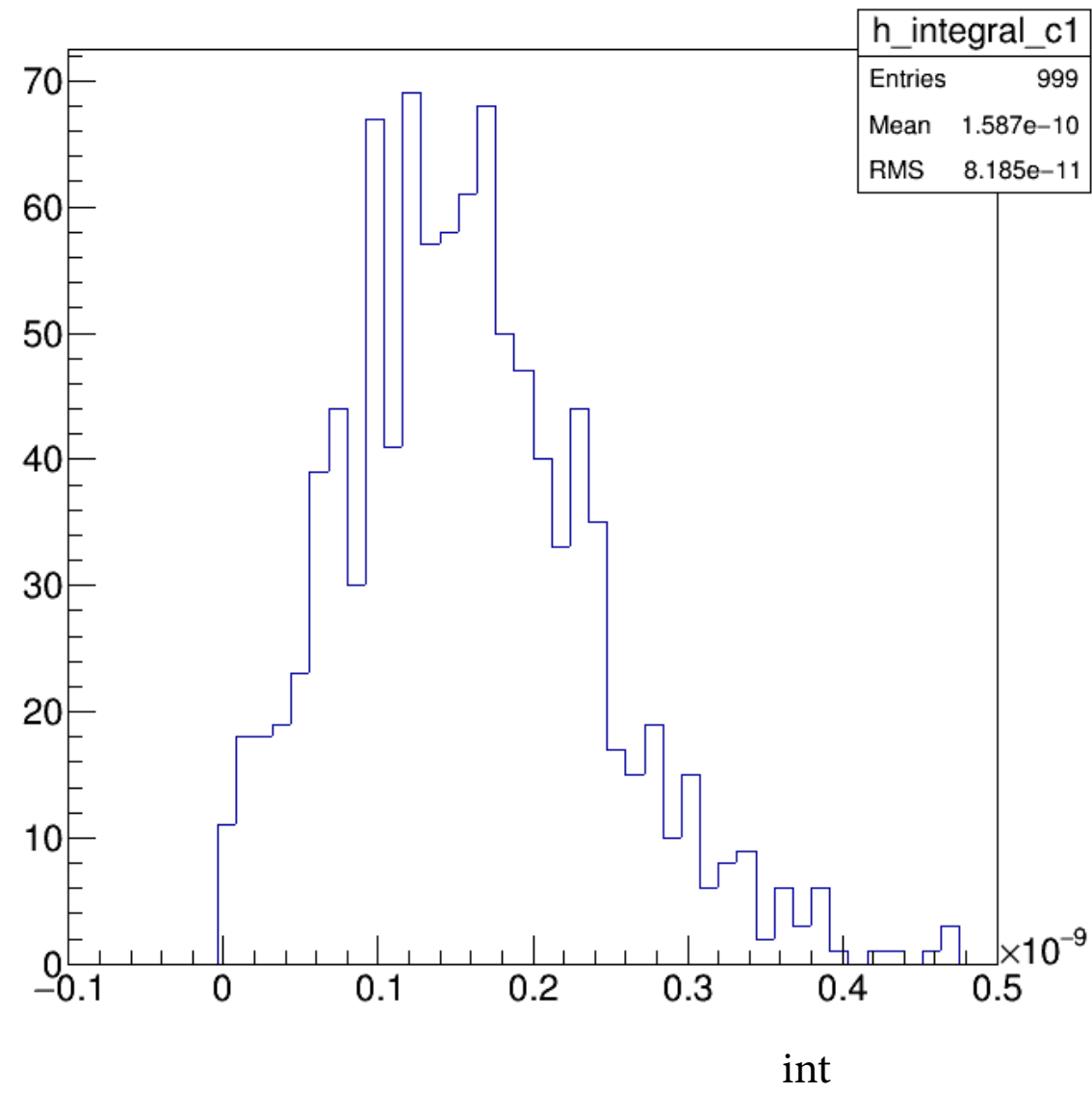


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

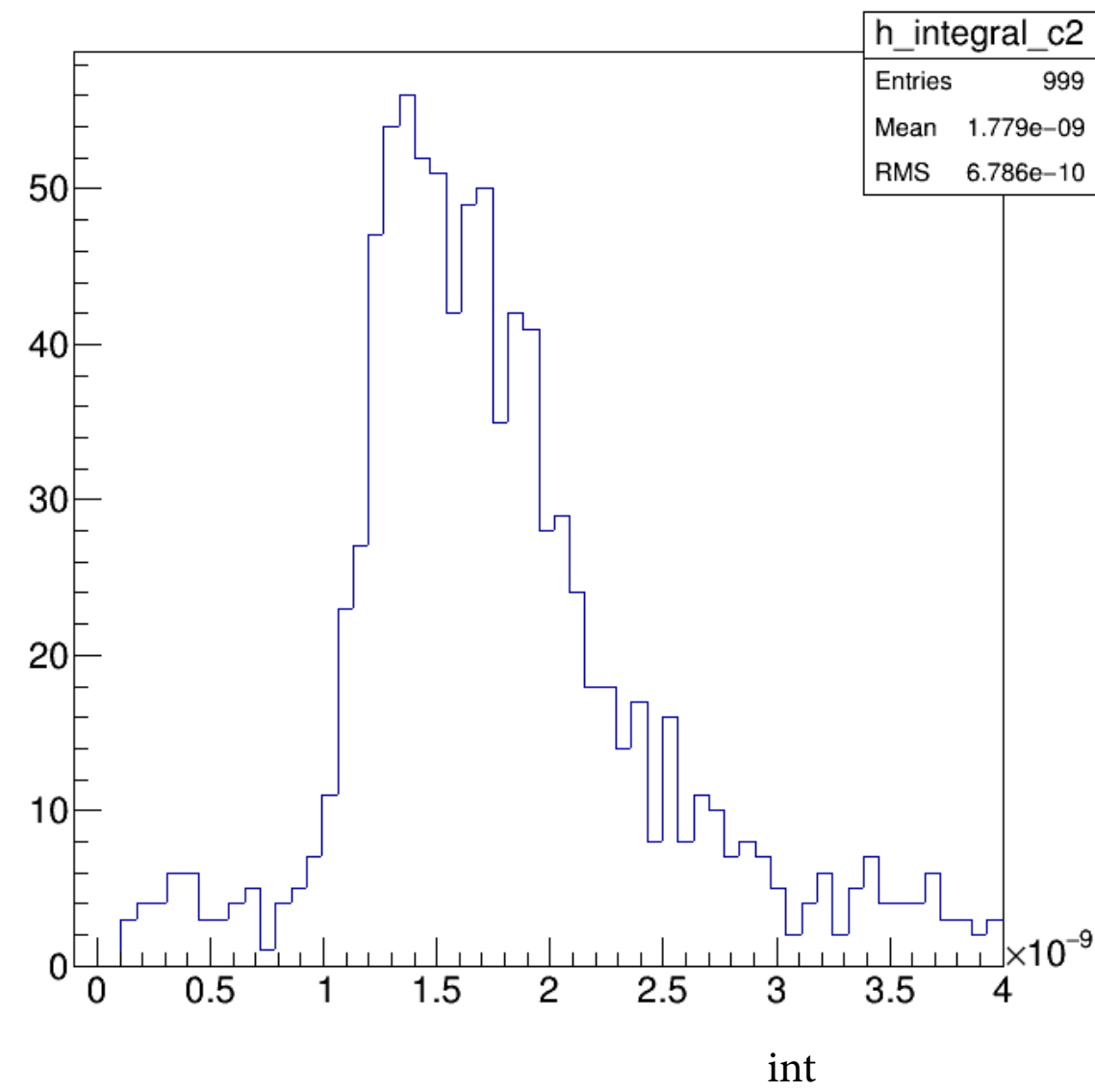


Thickness: 285 μm T: -20°C Vbias: 100V Radiation dose: 2.3×10^{15} 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

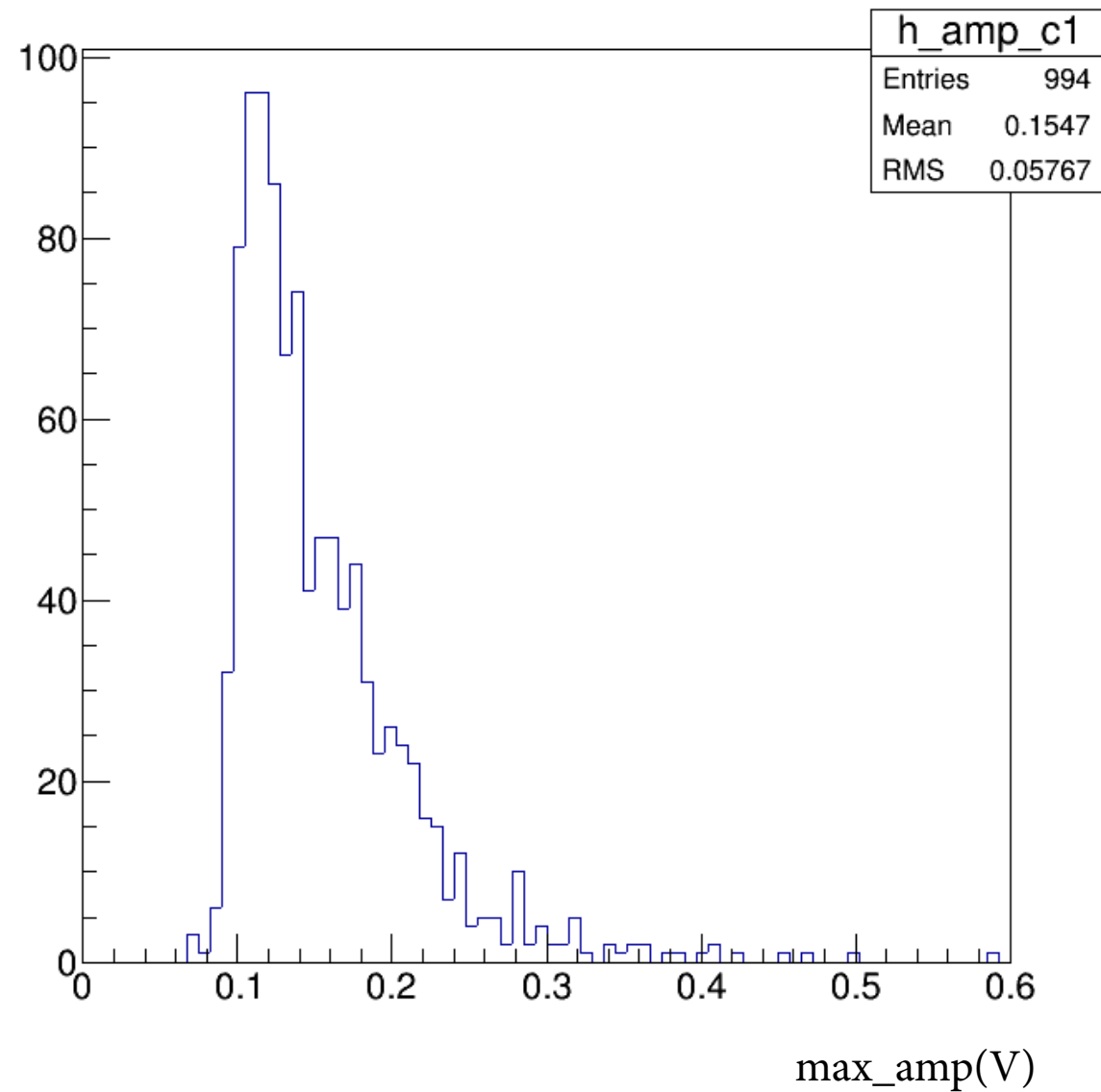


LGAD

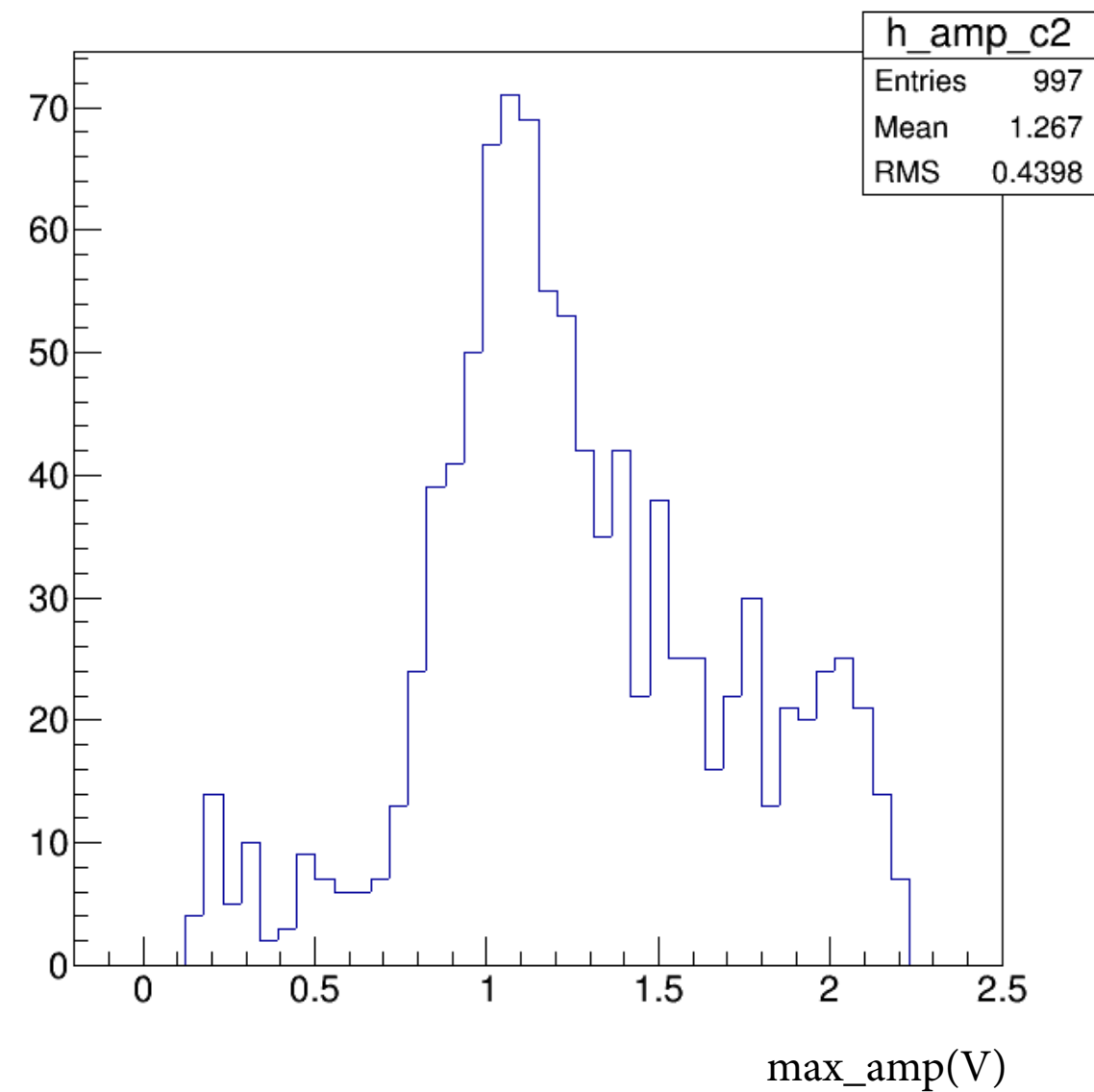


Thickness: 285 μm T:-20°C Vbias:150V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

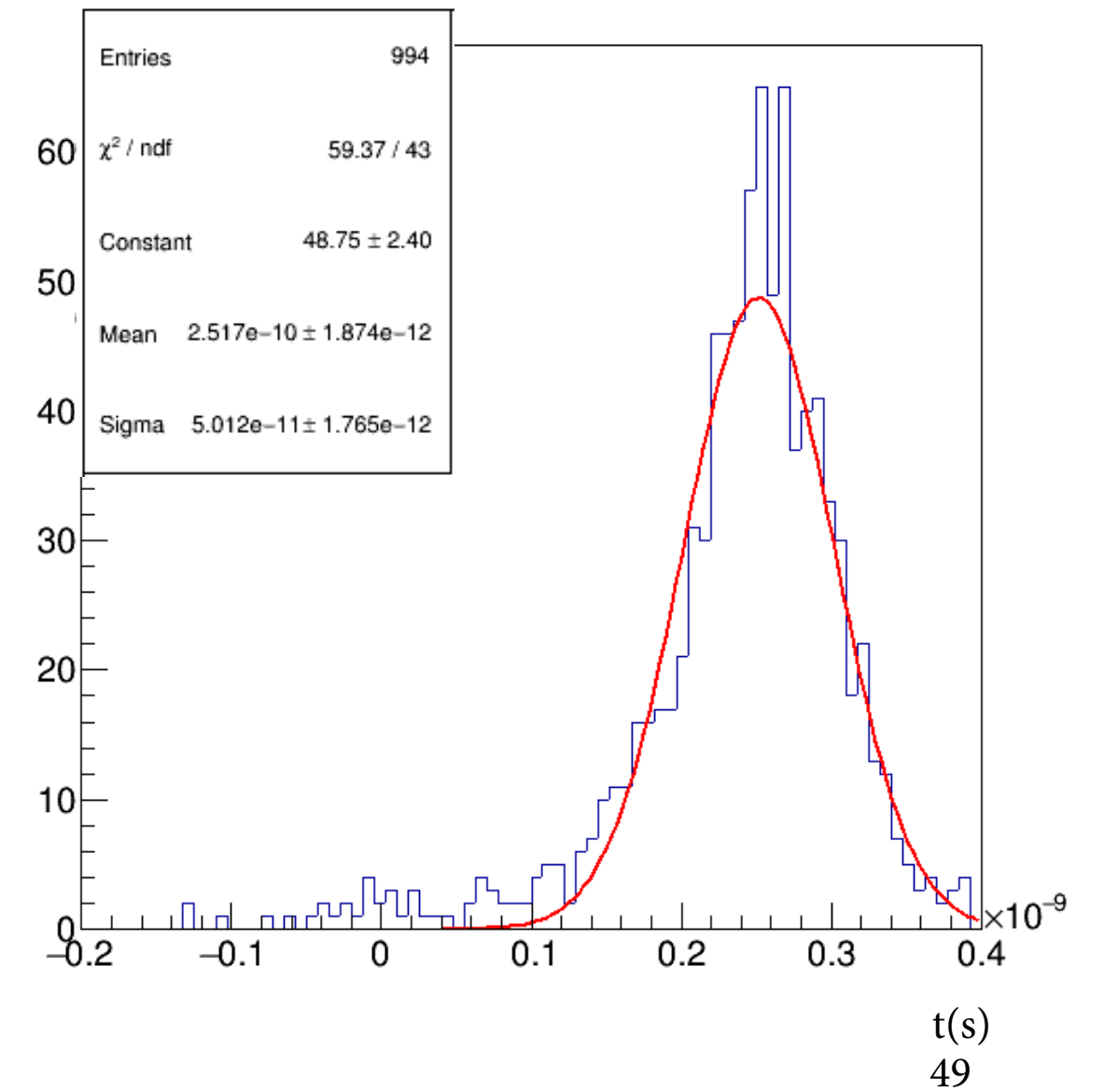
3D



LGAD

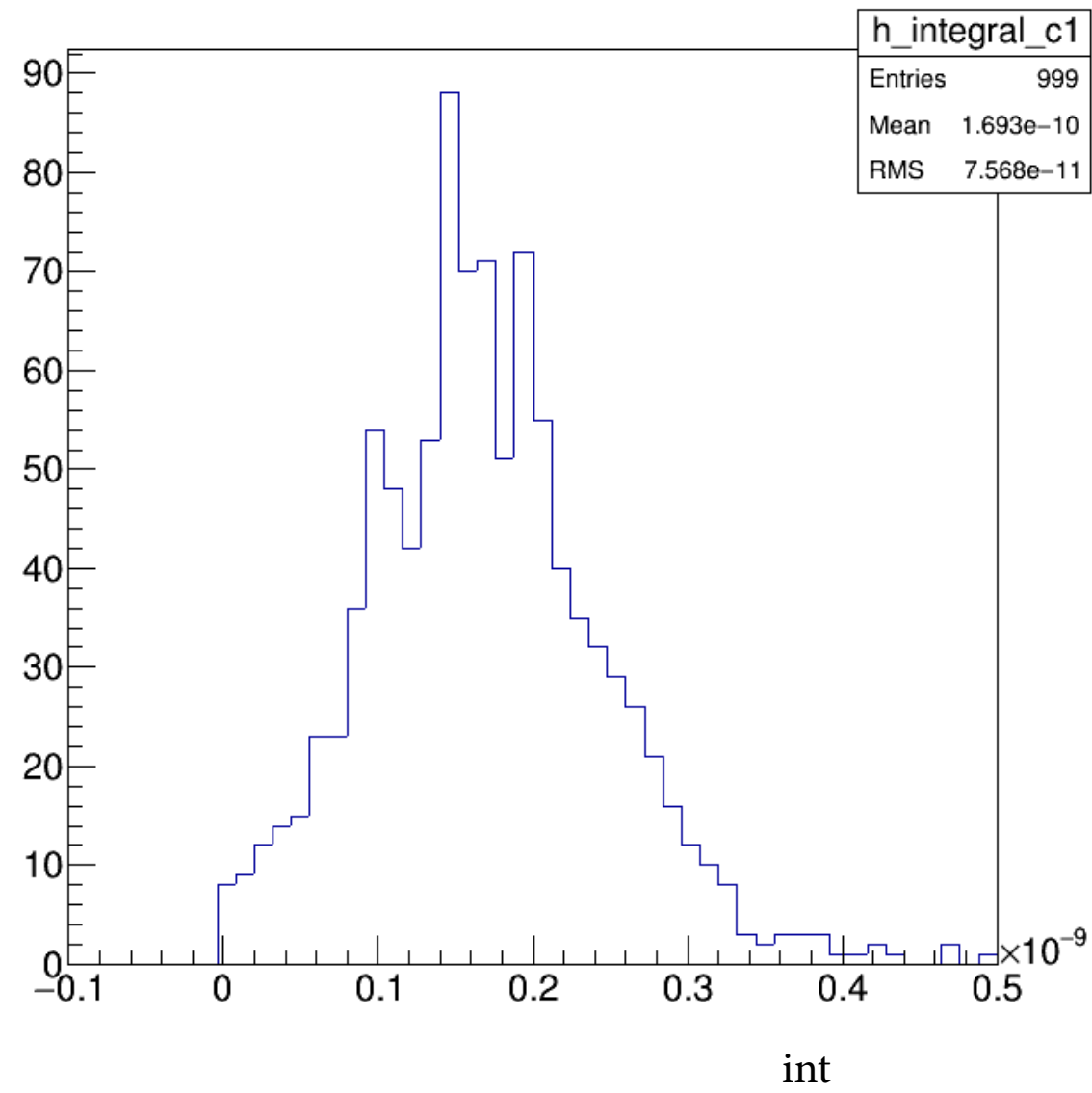


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

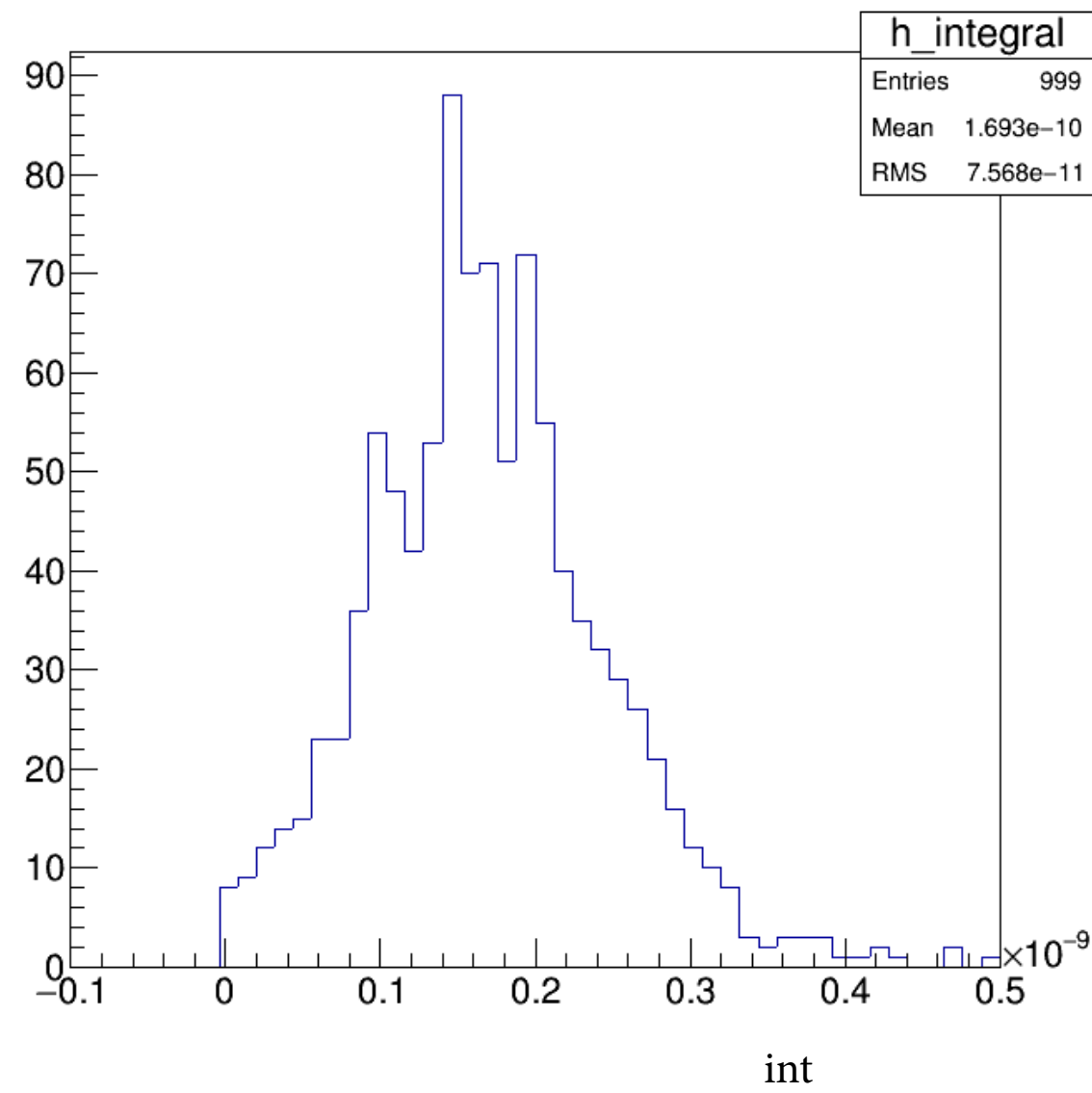


Thickness: 285 μm T: -20°C Vbias: 150V Radiation dose: 2.3×10^{15} 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

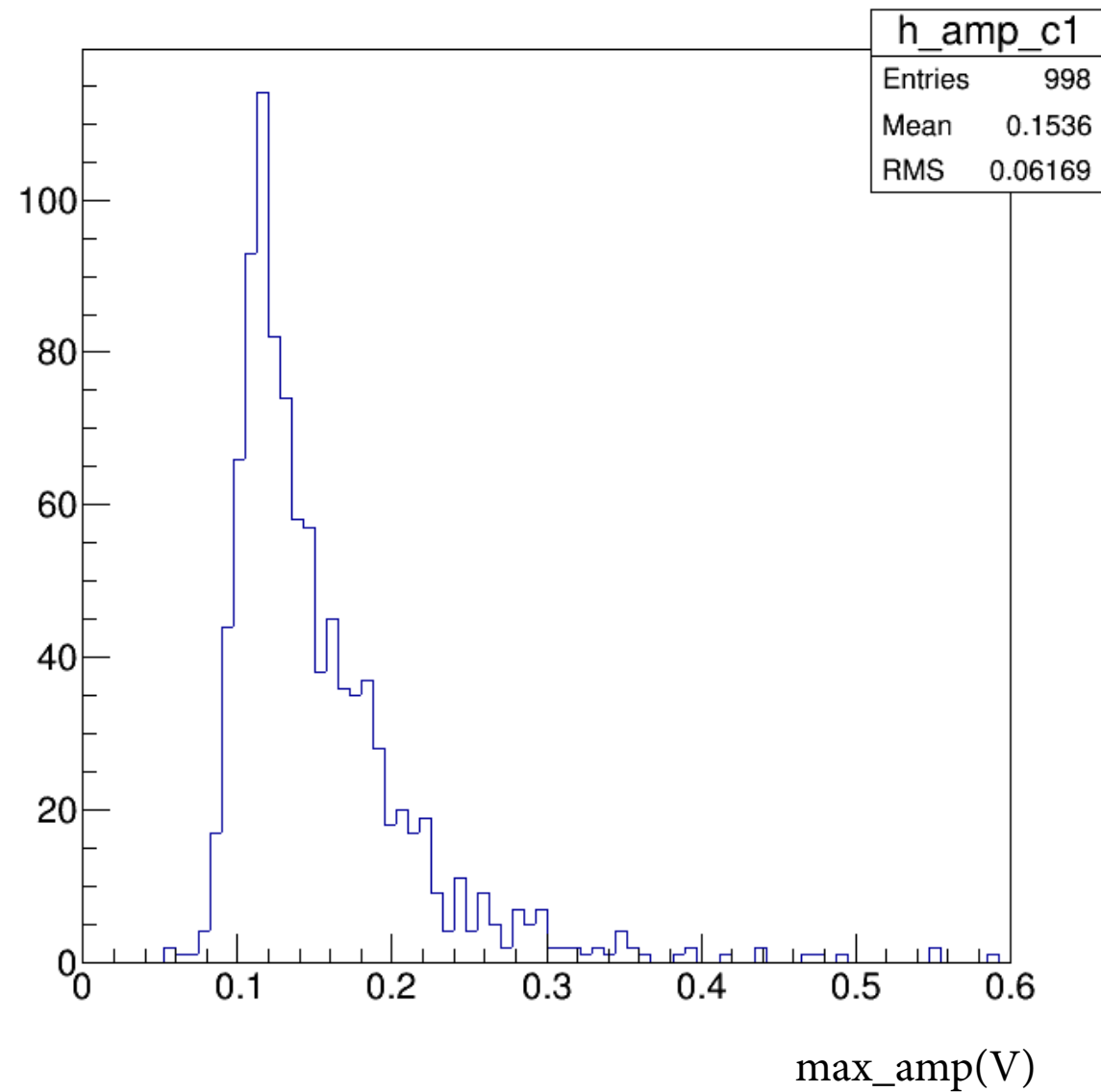


LGAD

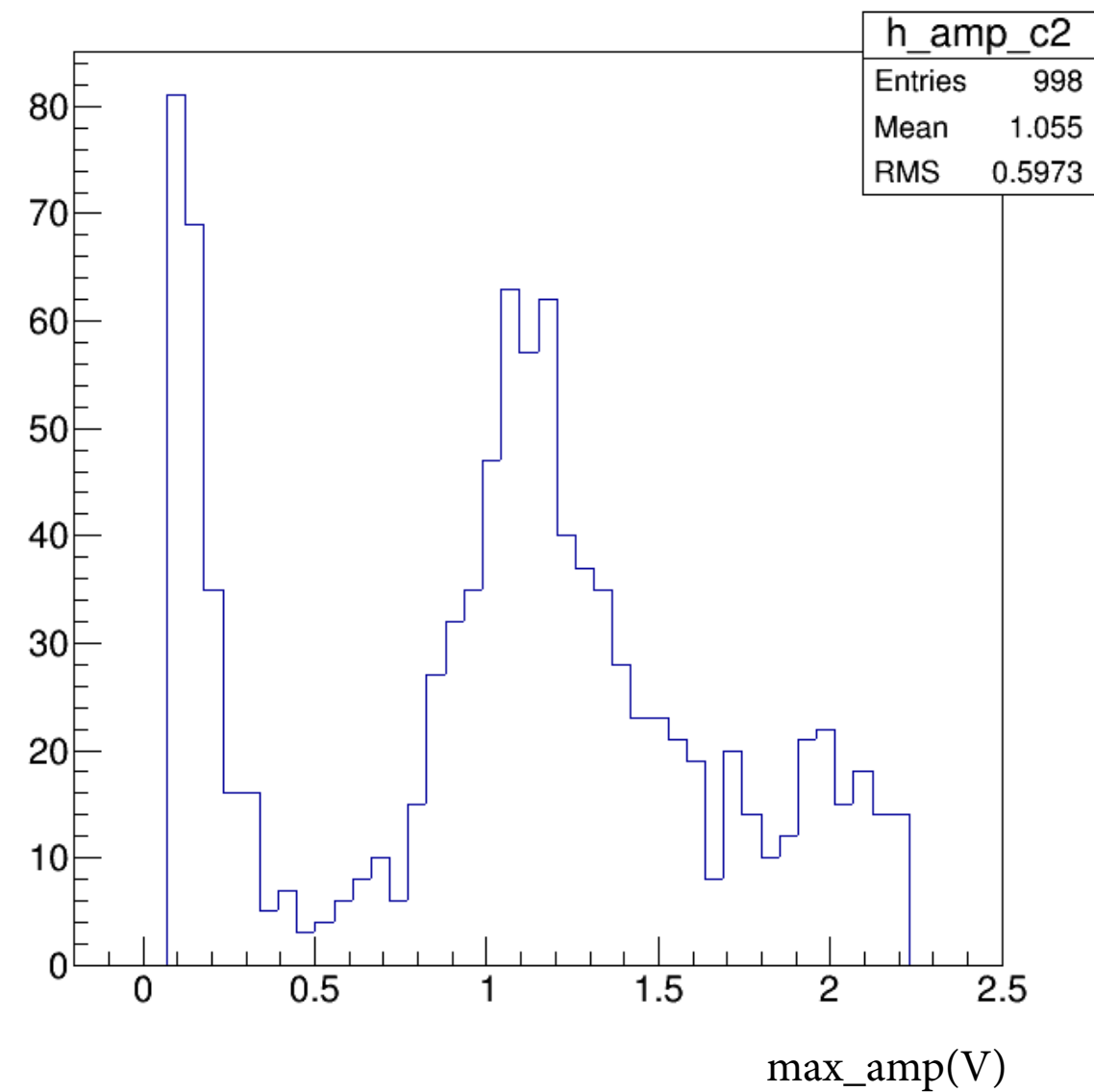


Thickness: 285 μm T: -20°C Vbias: 200V Radiation dose: 2.3×10^{15} 1MeV $N_{\text{eq}}/\text{cm}^2$

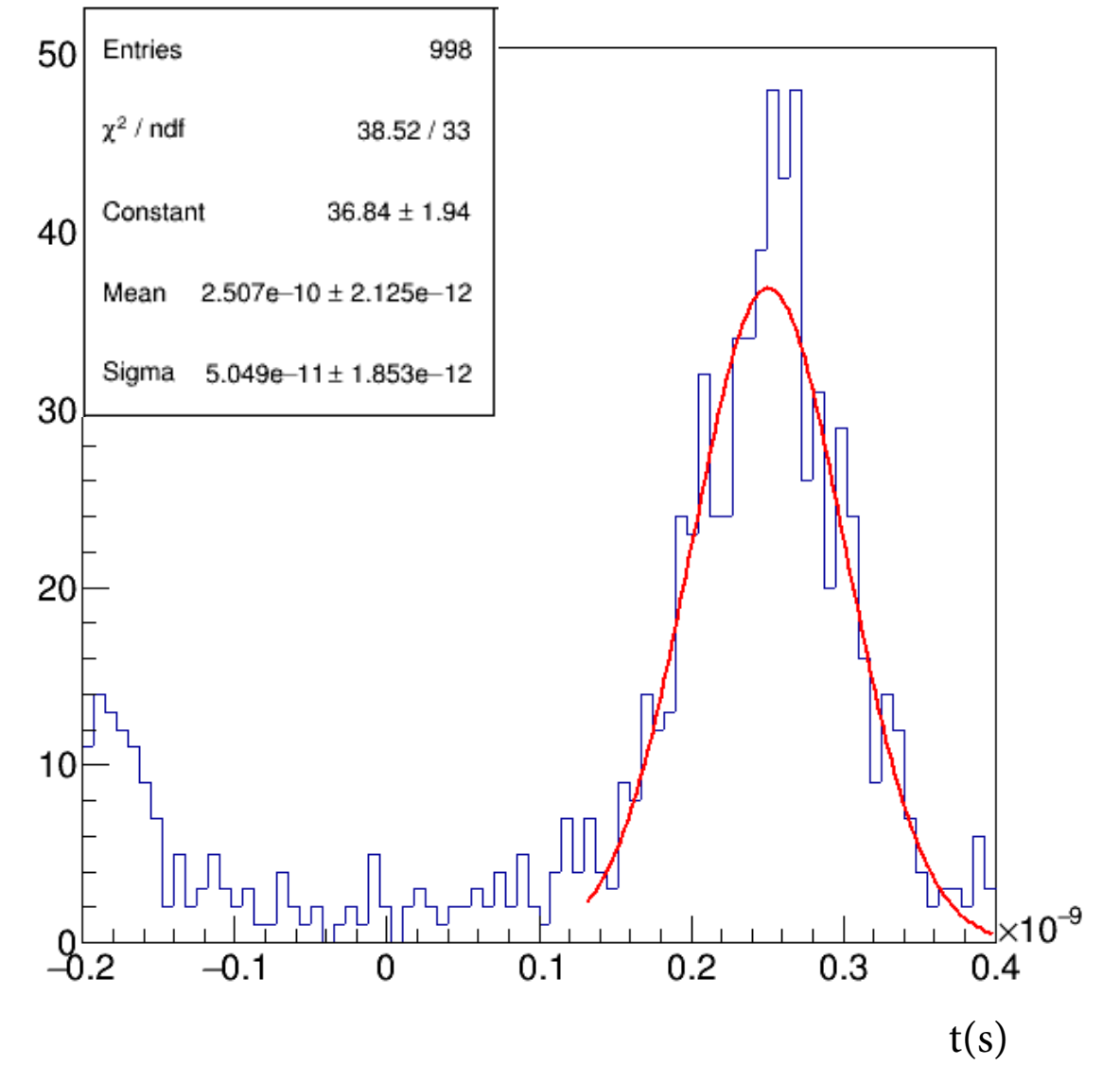
3D



LGAD

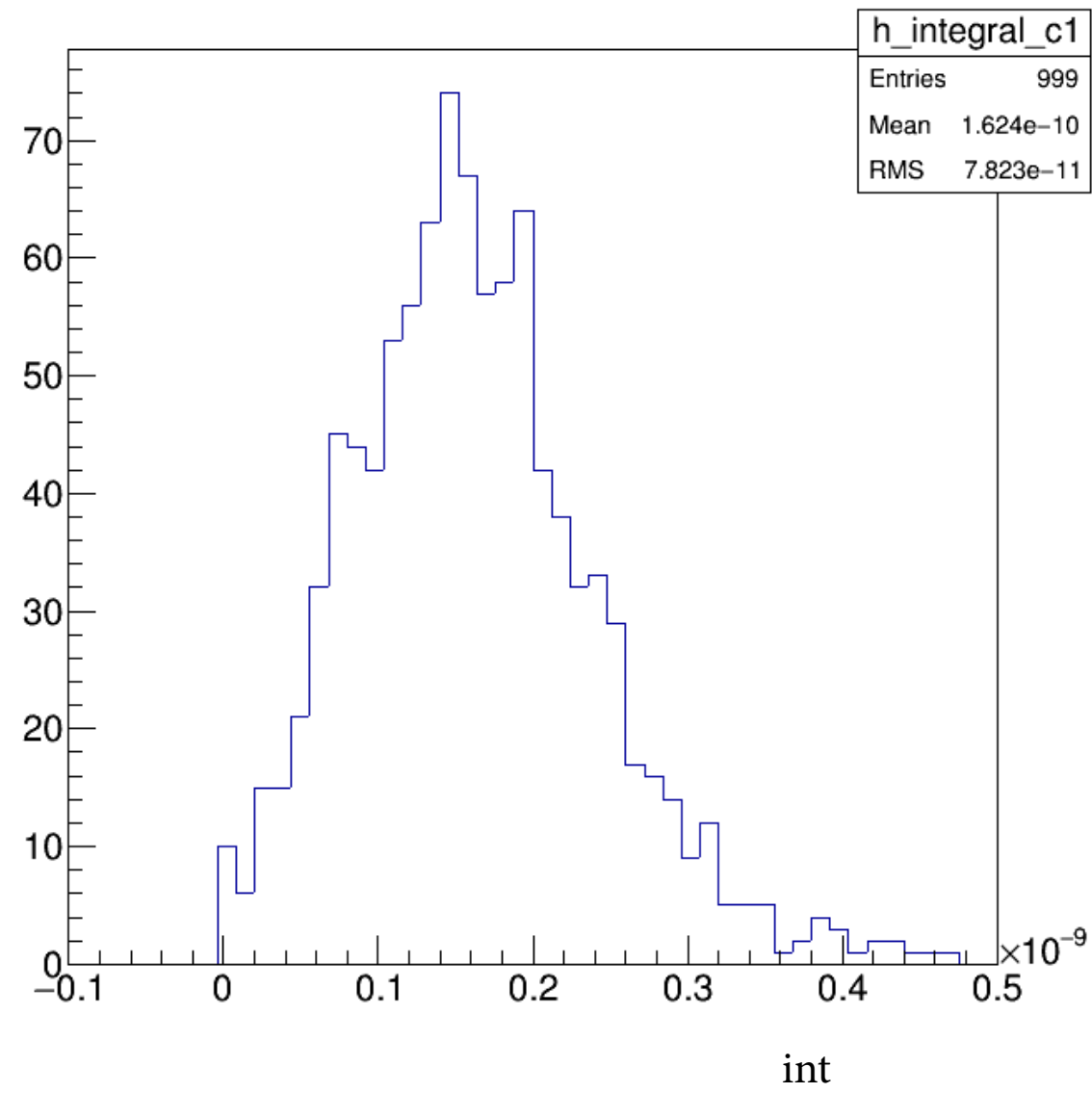


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

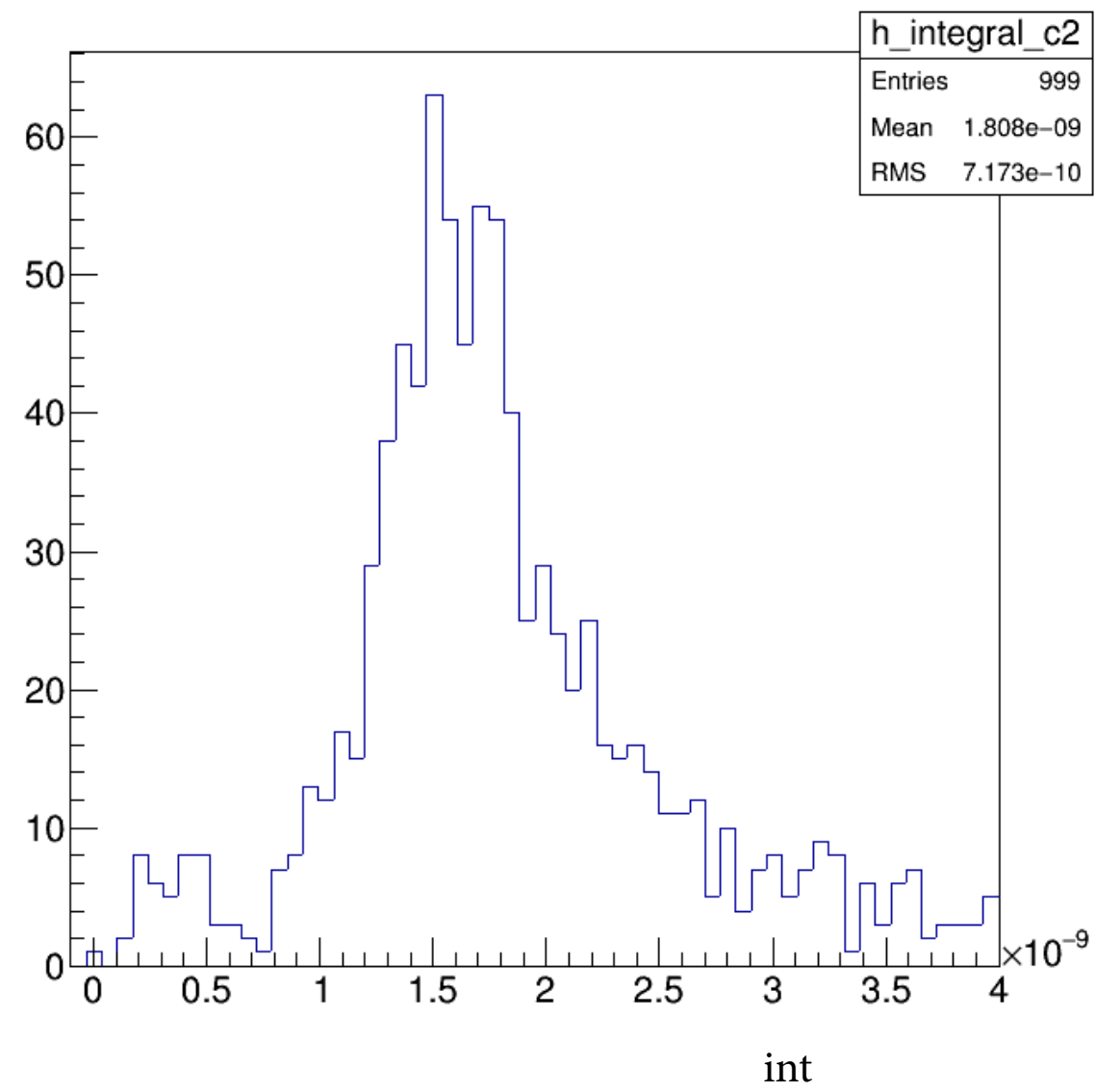


Thickness: 285 μm T:-20°C Vbias:200V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

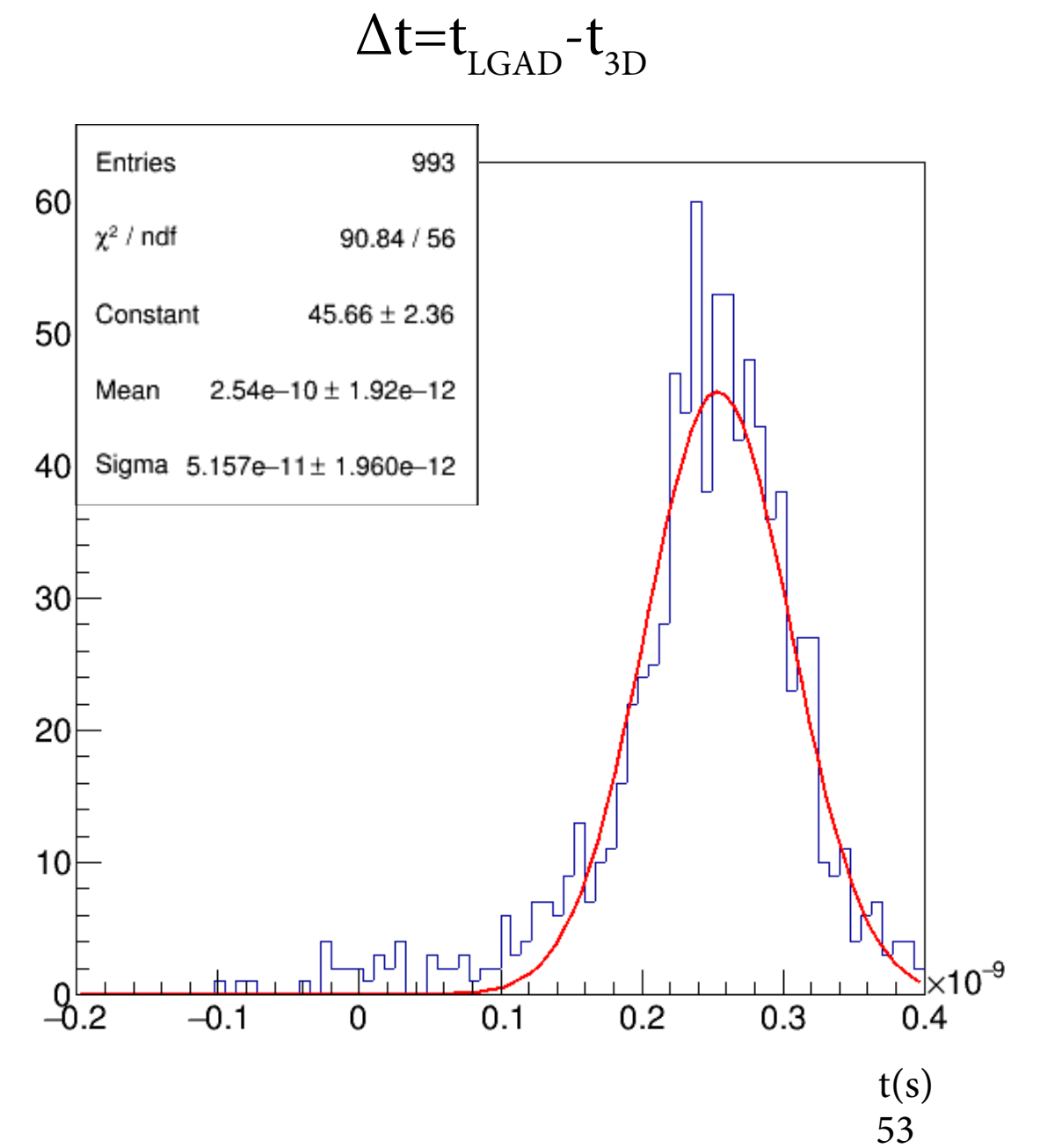
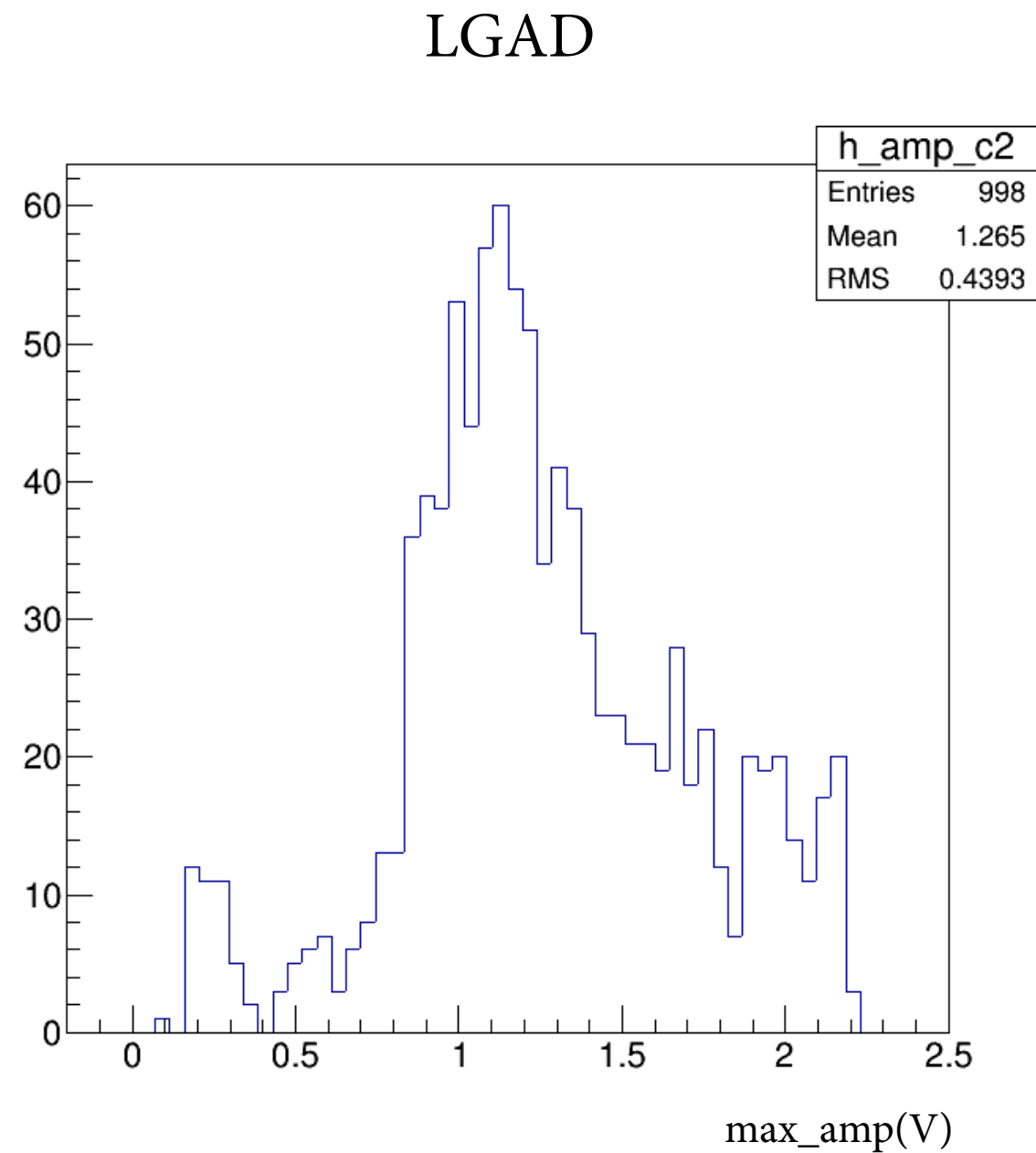
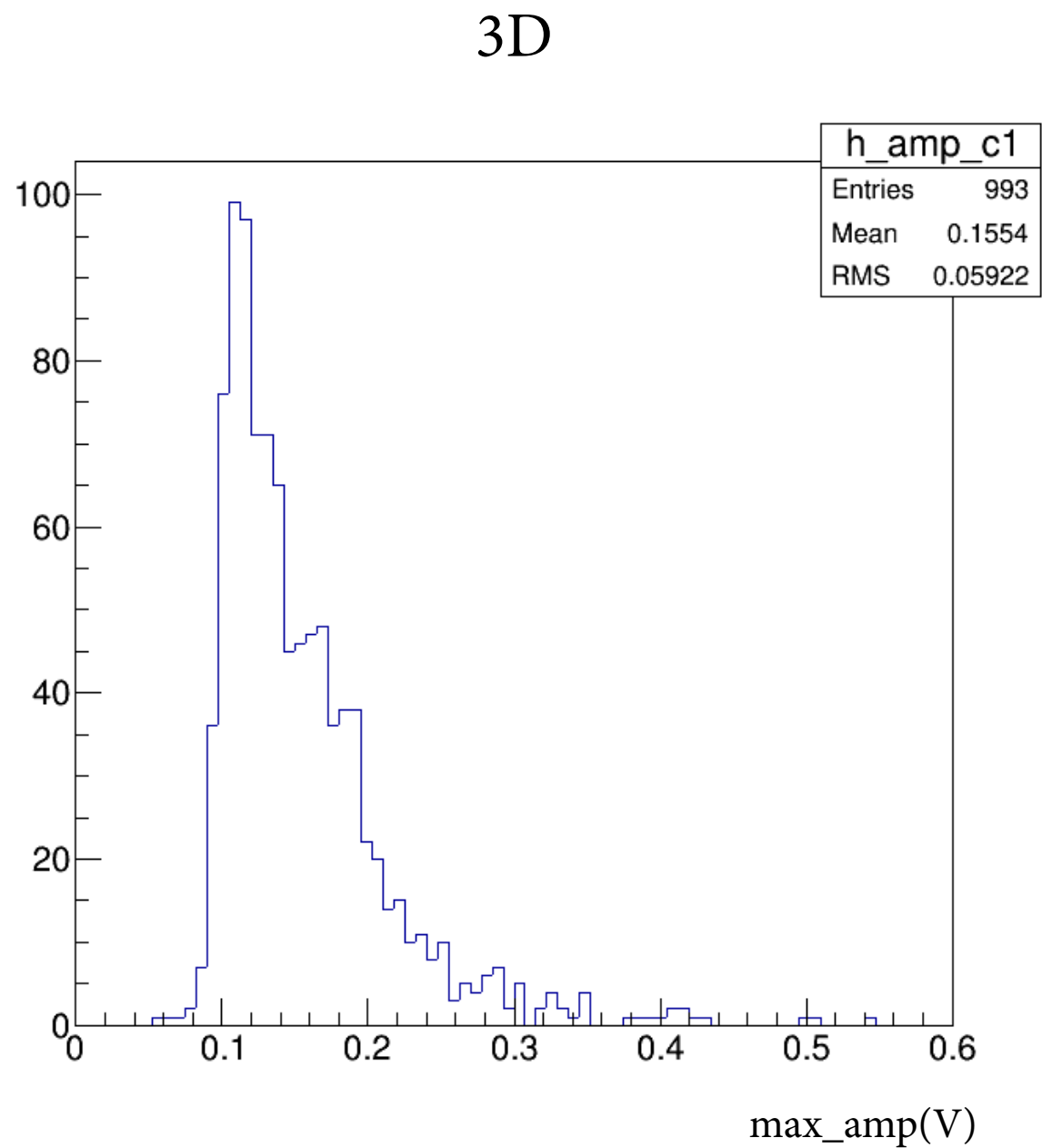
3D



LGAD

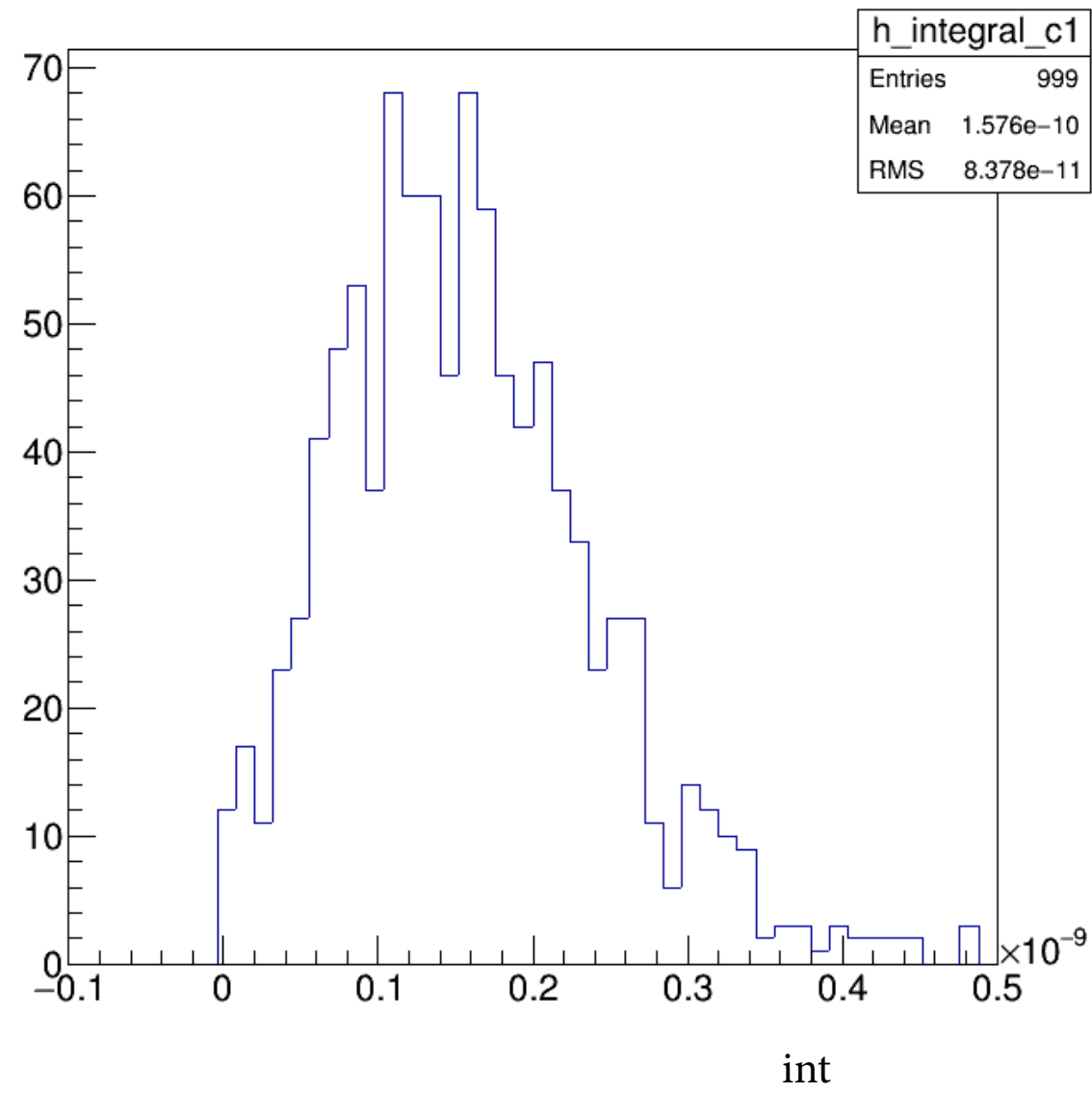


Thickness: 285 μm T: -20°C Vbias: 250V Radiation dose: 2.3×10^{15} 1MeV $N_{\text{eq}}/\text{cm}^2$

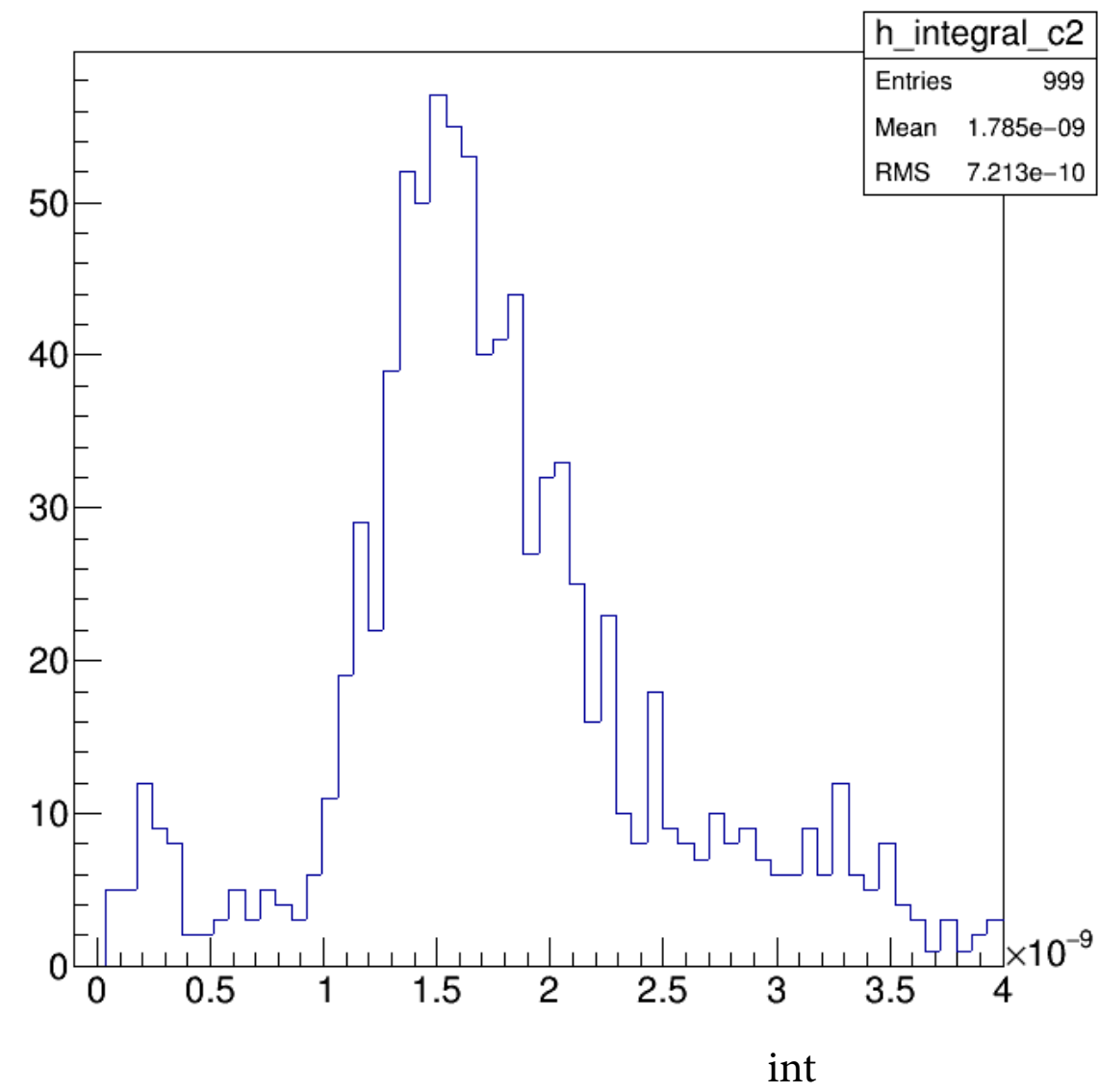


Thickness: 285 μm T:-20°C Vbias:250V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

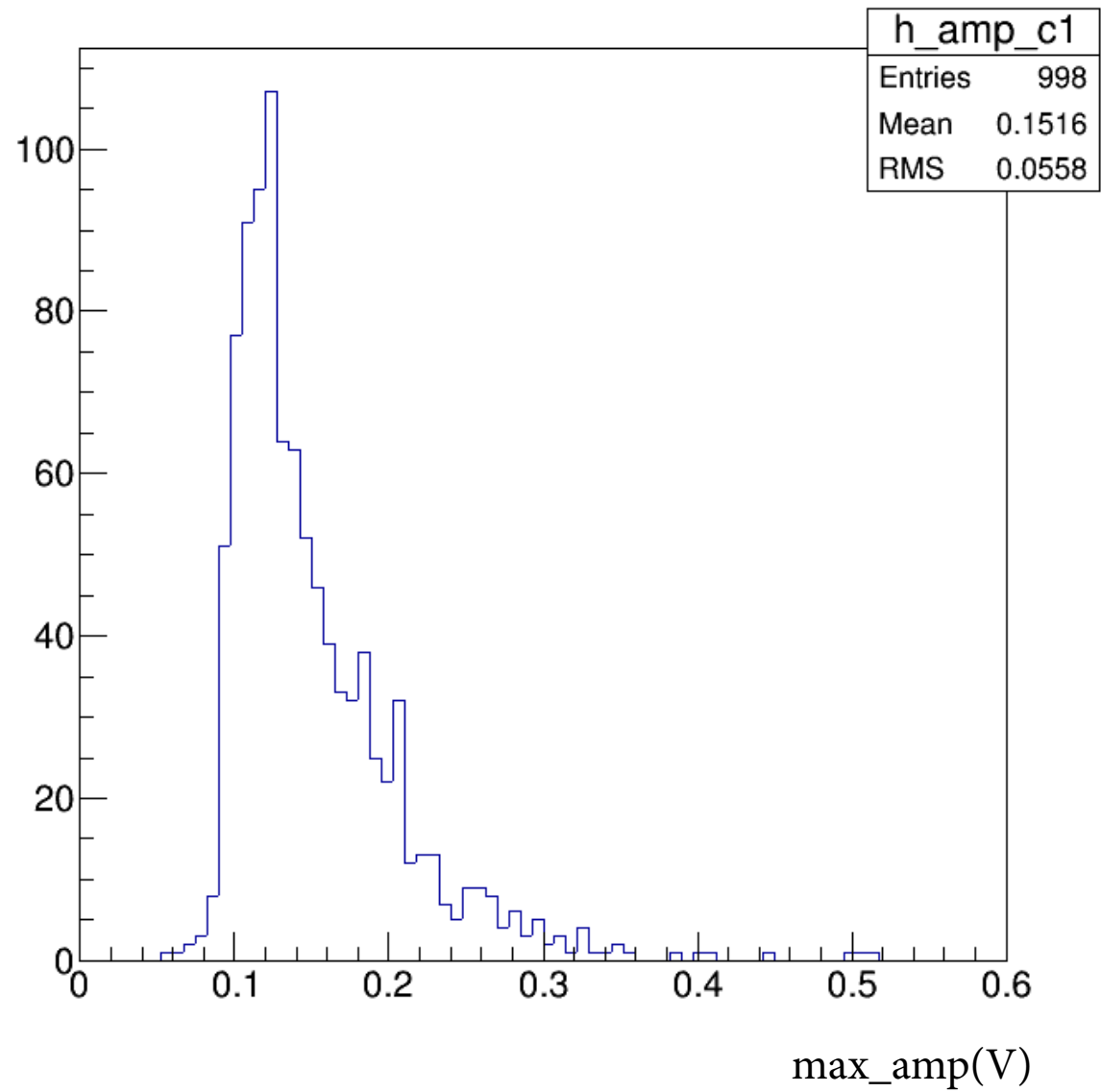


LGAD

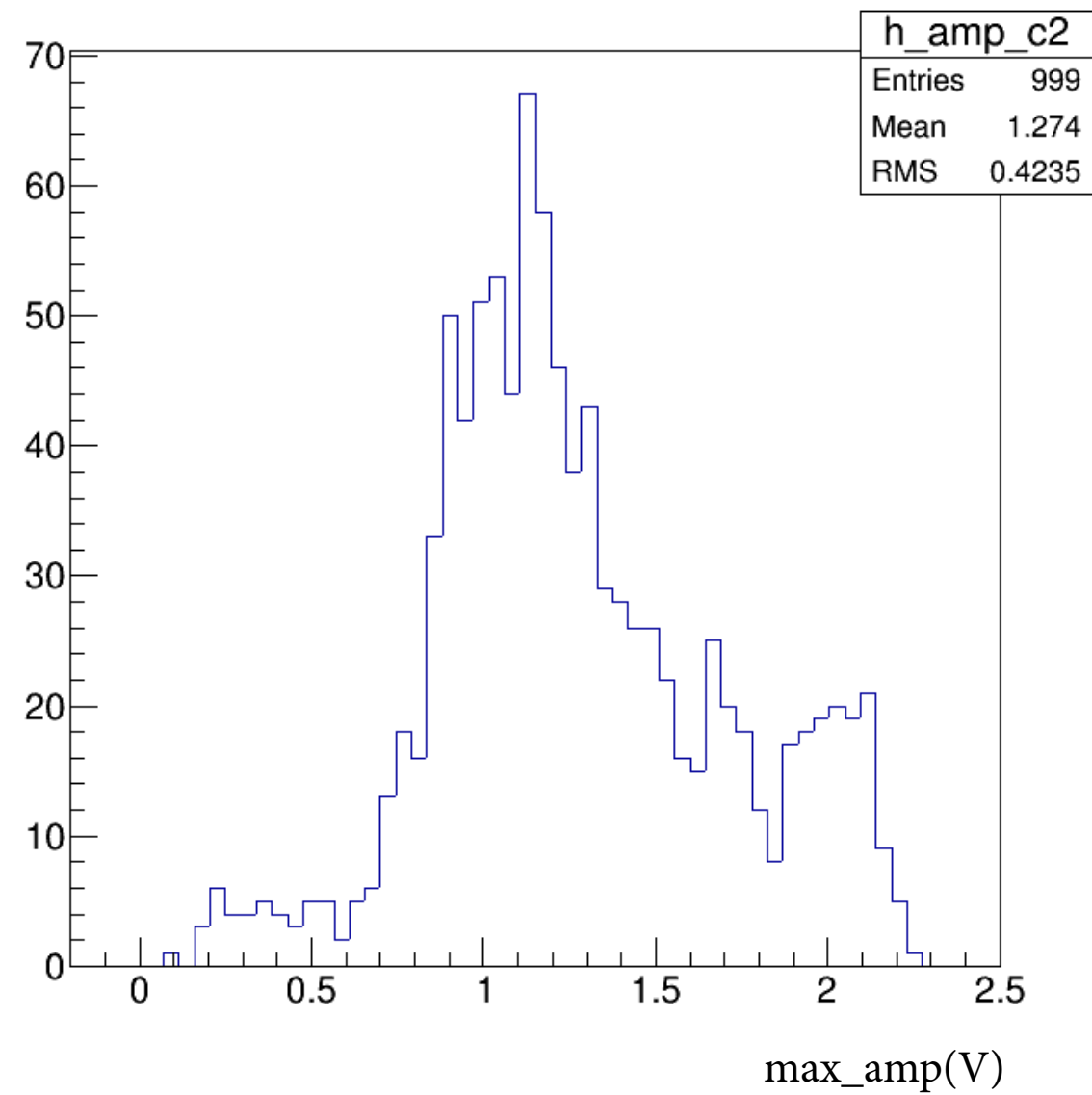


Thickness: 285 μm T: -20°C Vbias: 300V Radiation dose: 2.3×10^{15} 1MeV $N_{\text{eq}}/\text{cm}^2$

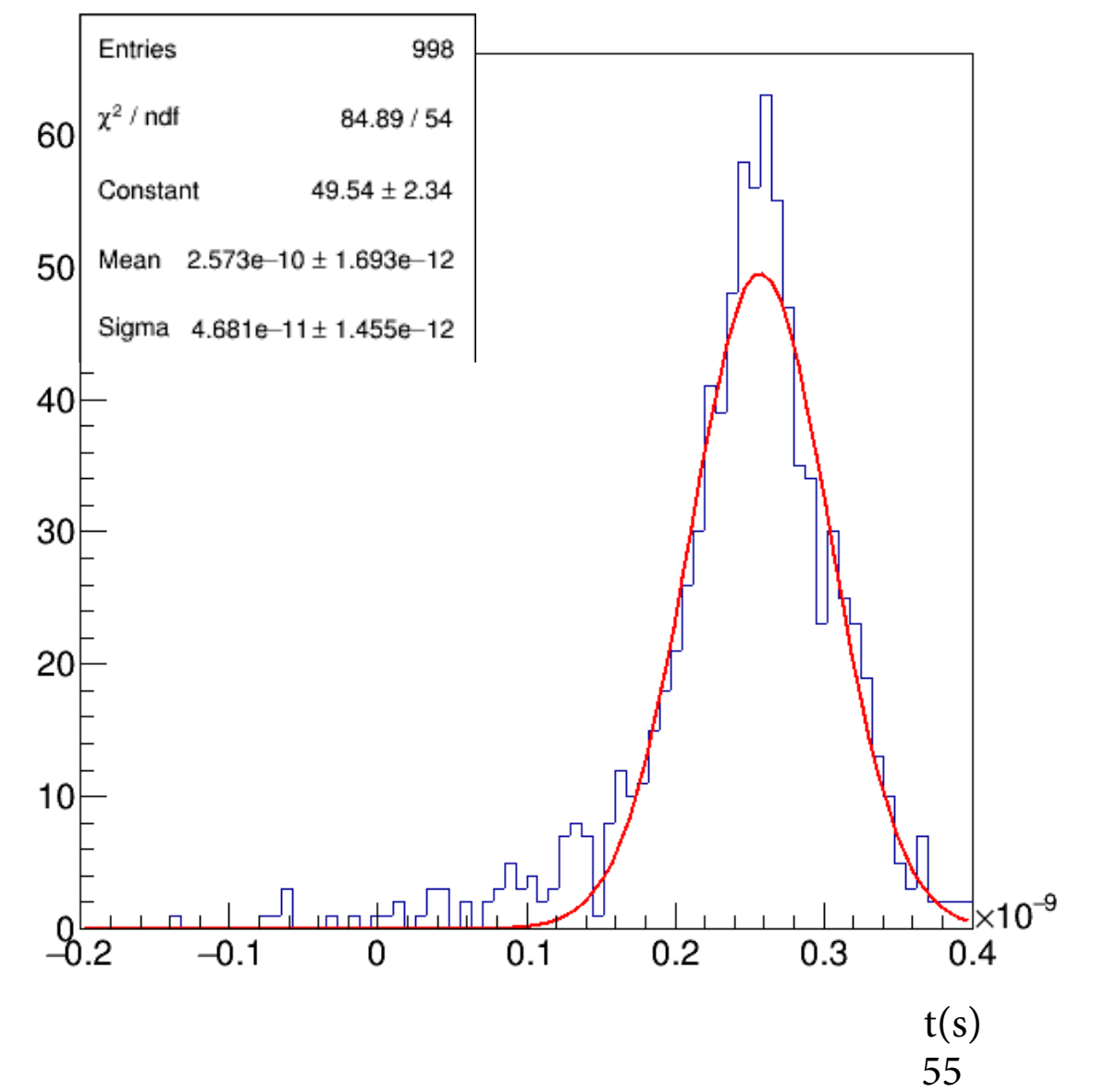
3D



LGAD

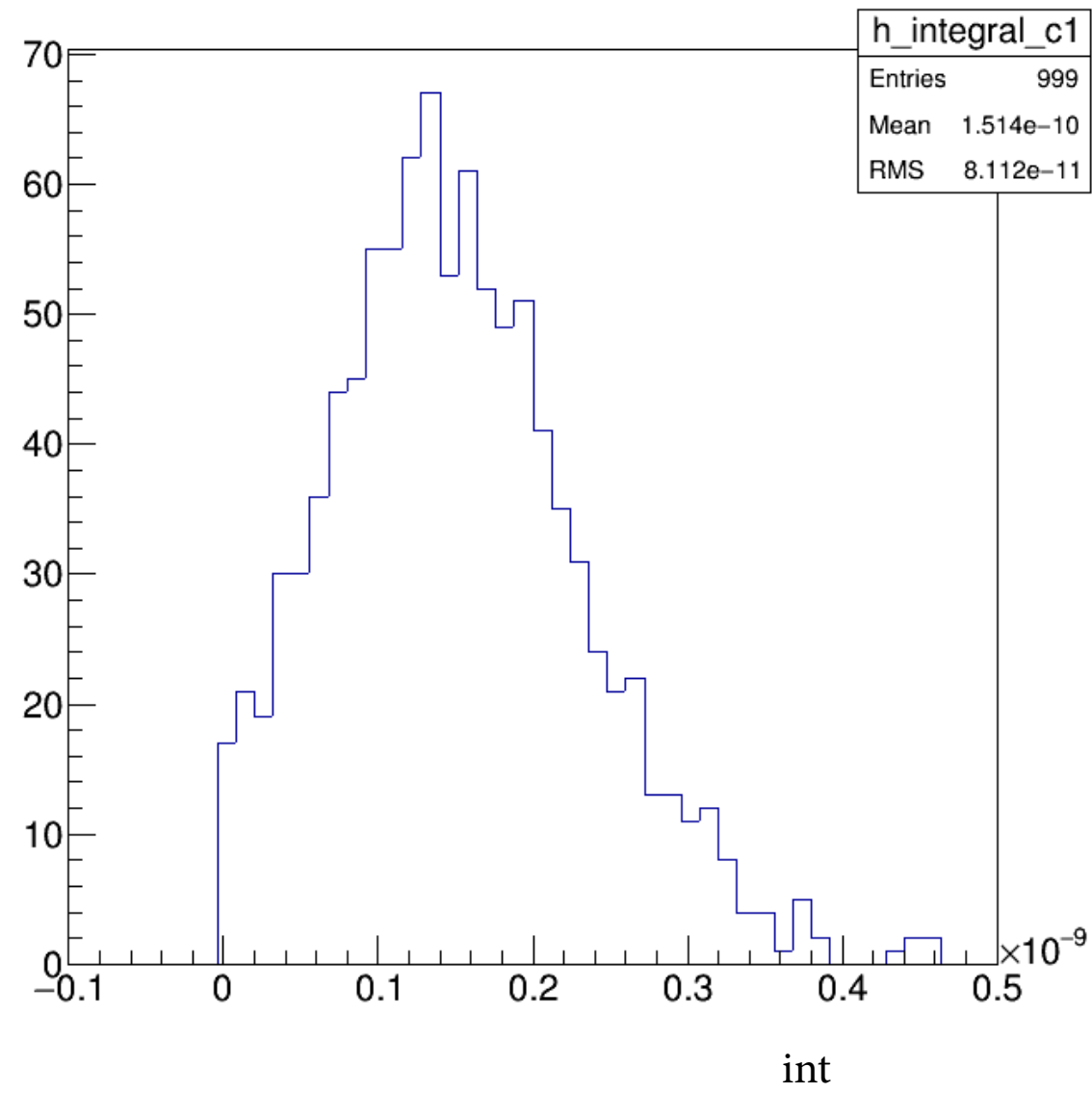


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

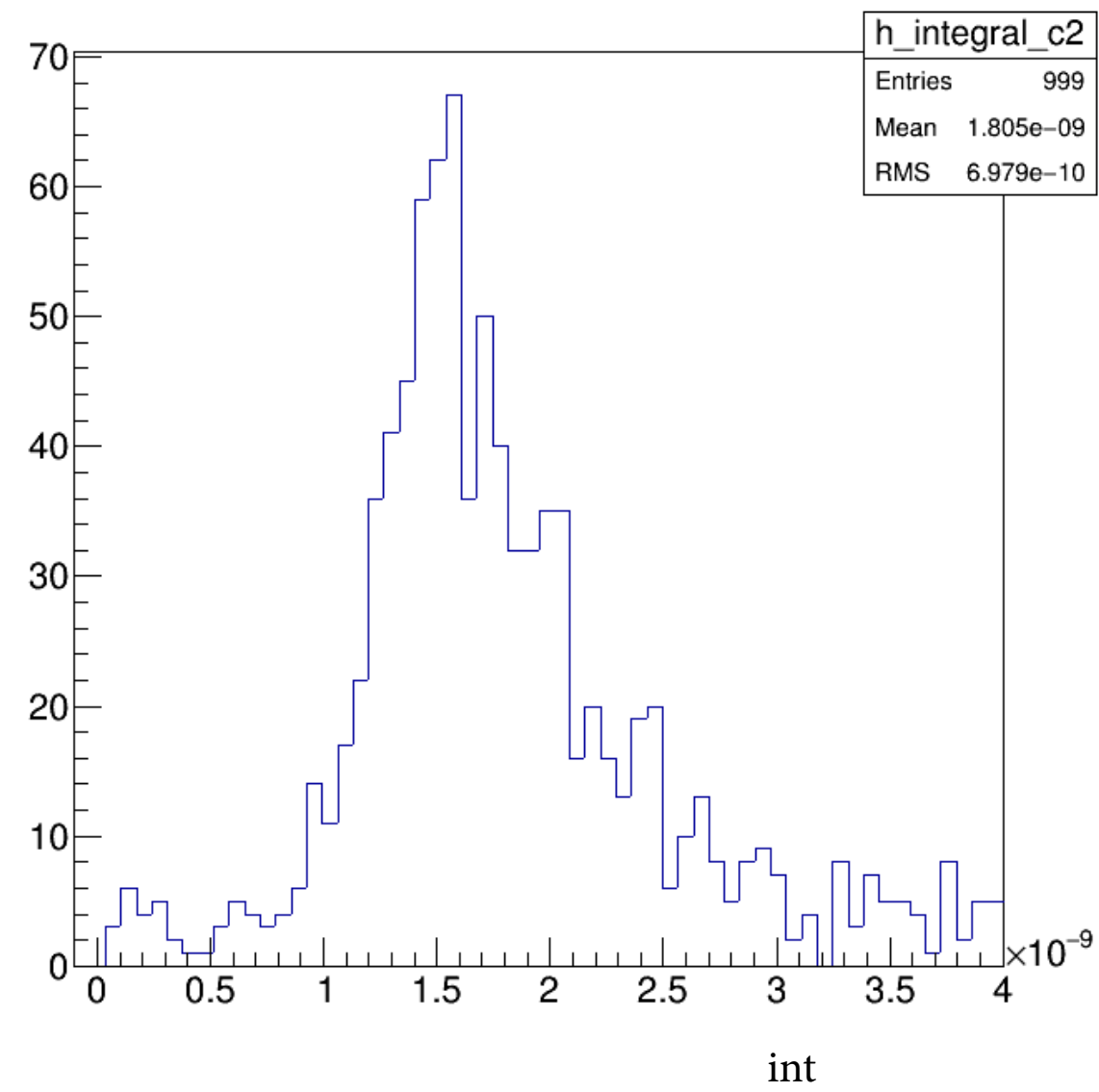


Thickness: 285 μm T:-20°C Vbias:300V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

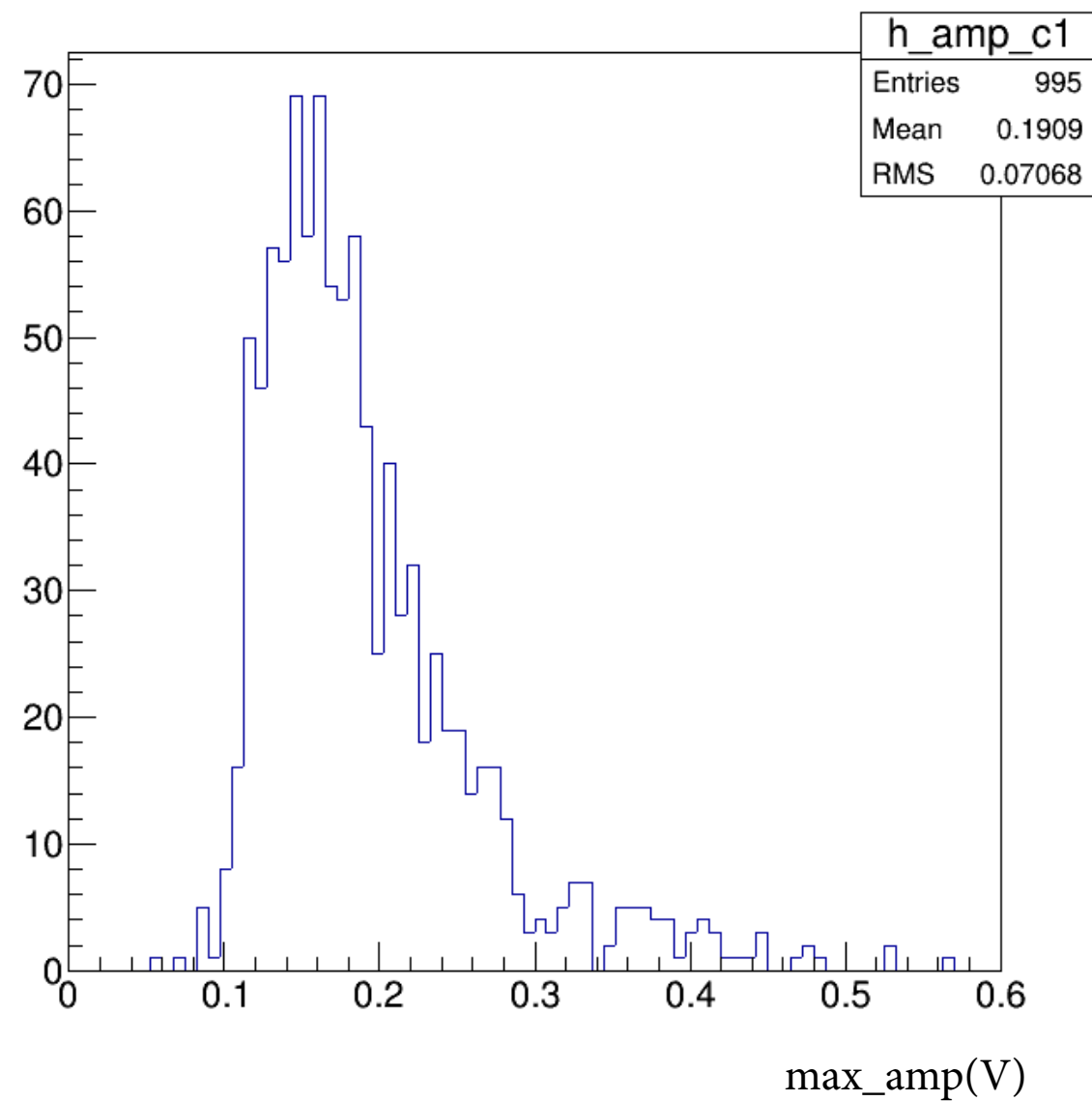


LGAD

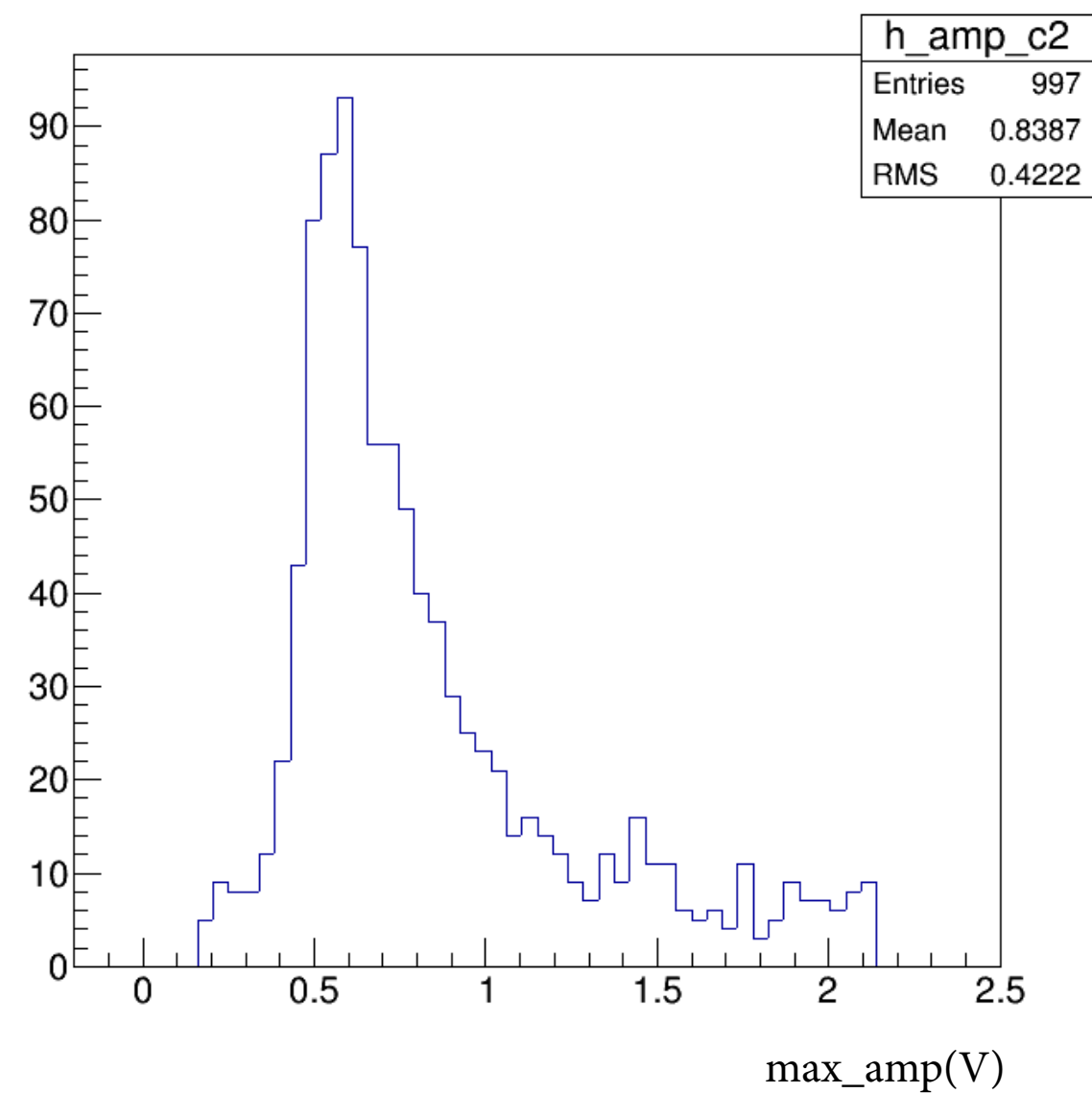


Thickness: 285 μm T:+20°C Vbias:100V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

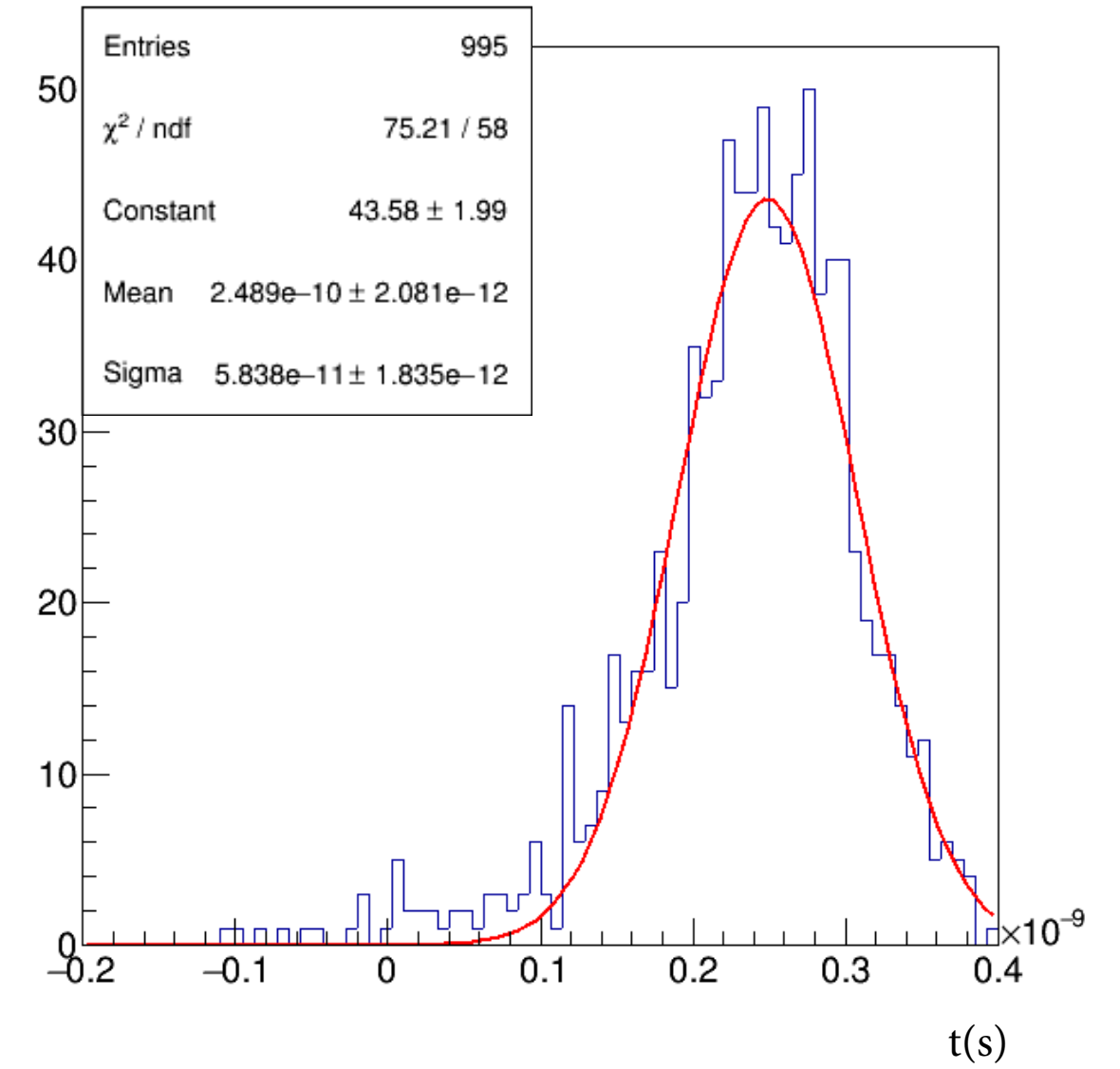
3D



LGAD

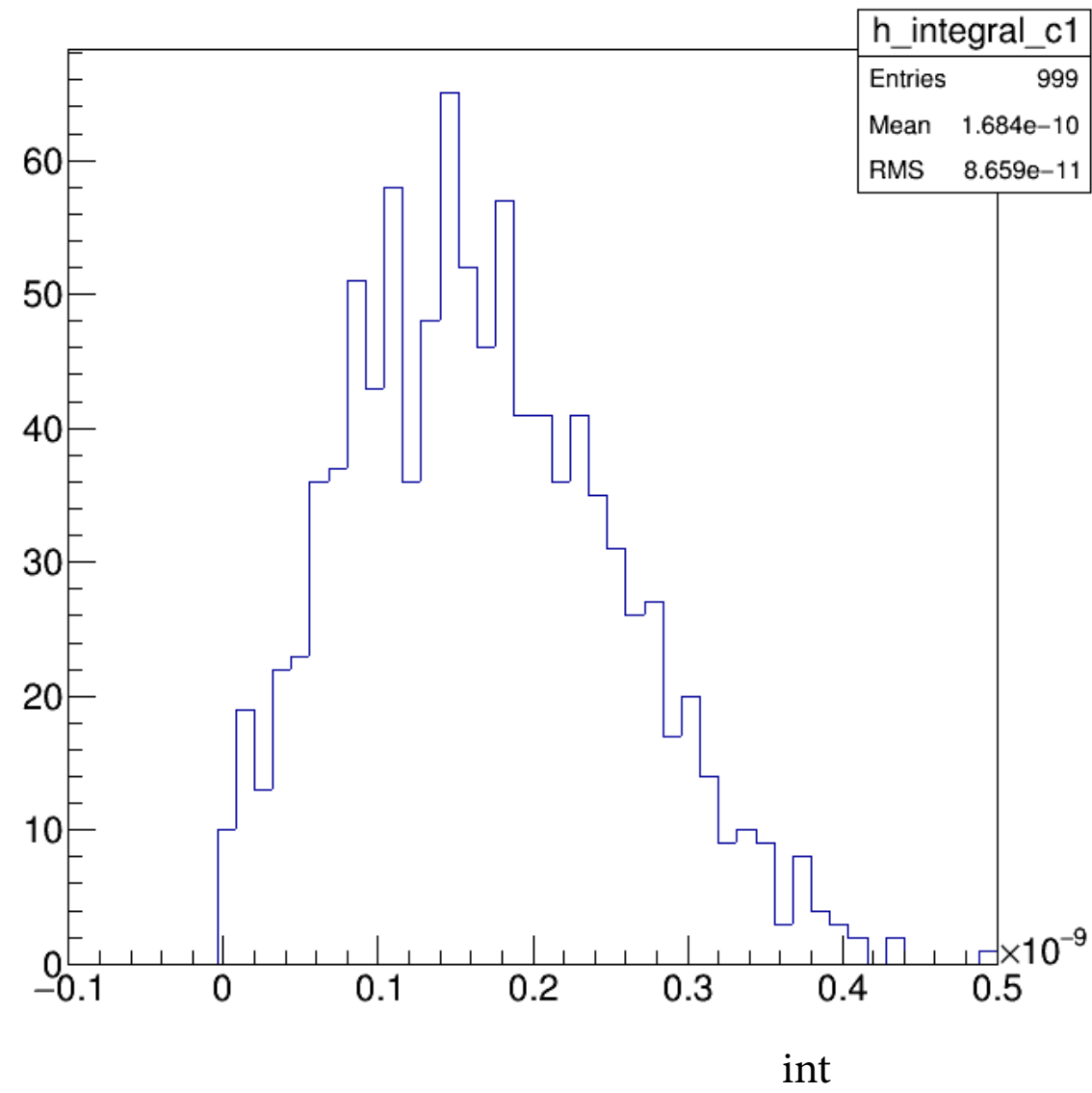


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

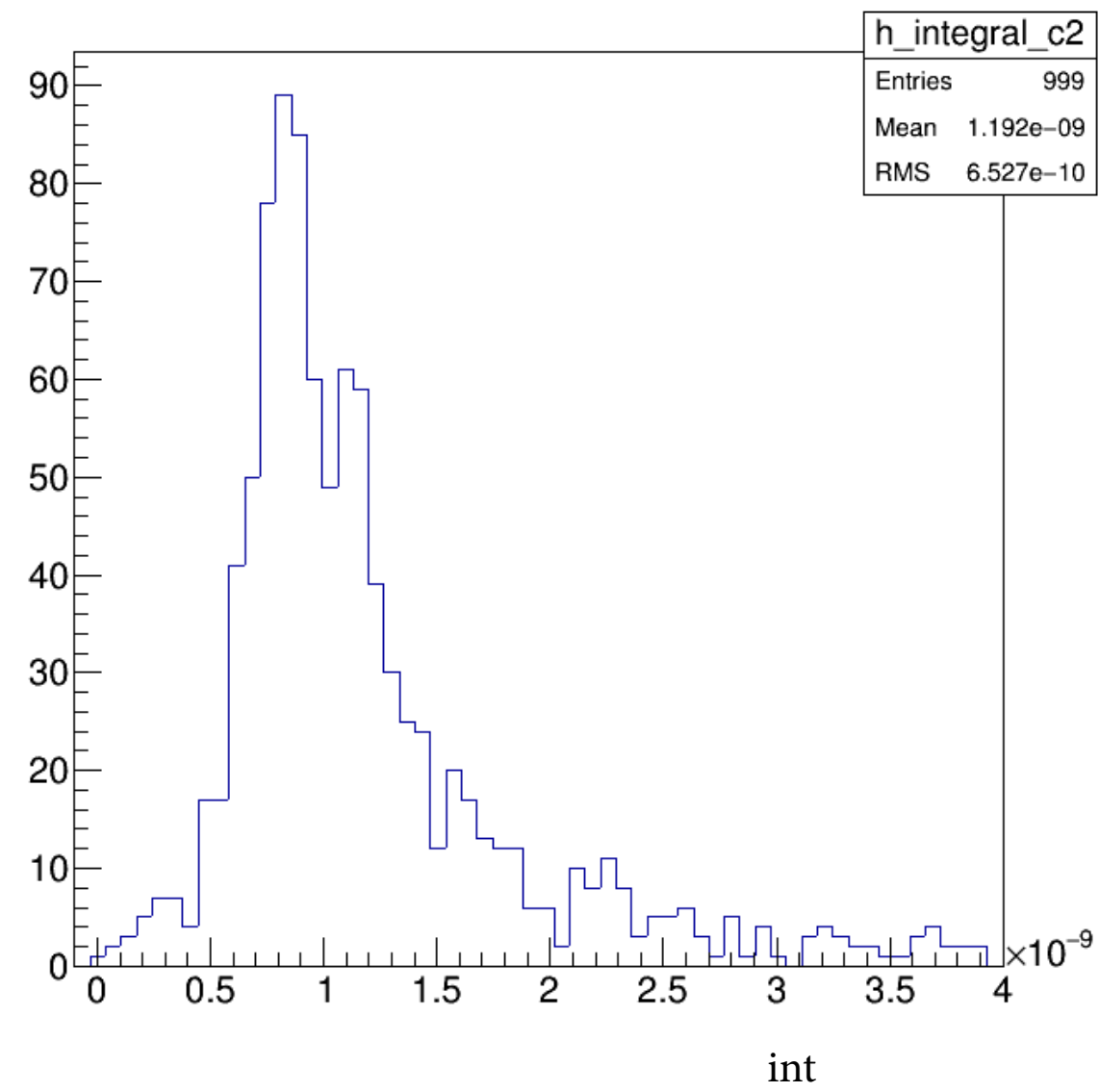


Thickness: 285 μm T:+20°C Vbias:100V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

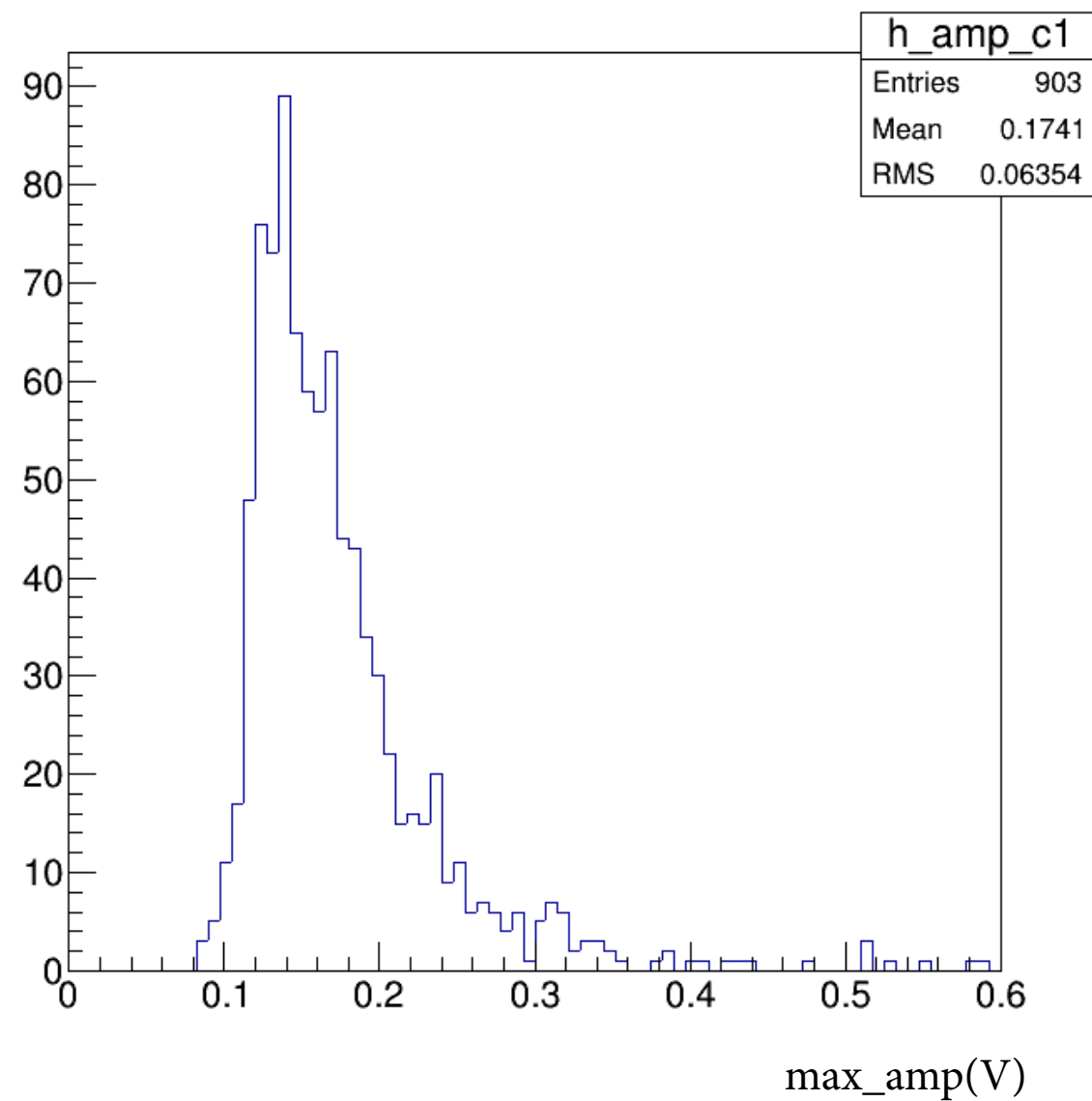


LGAD

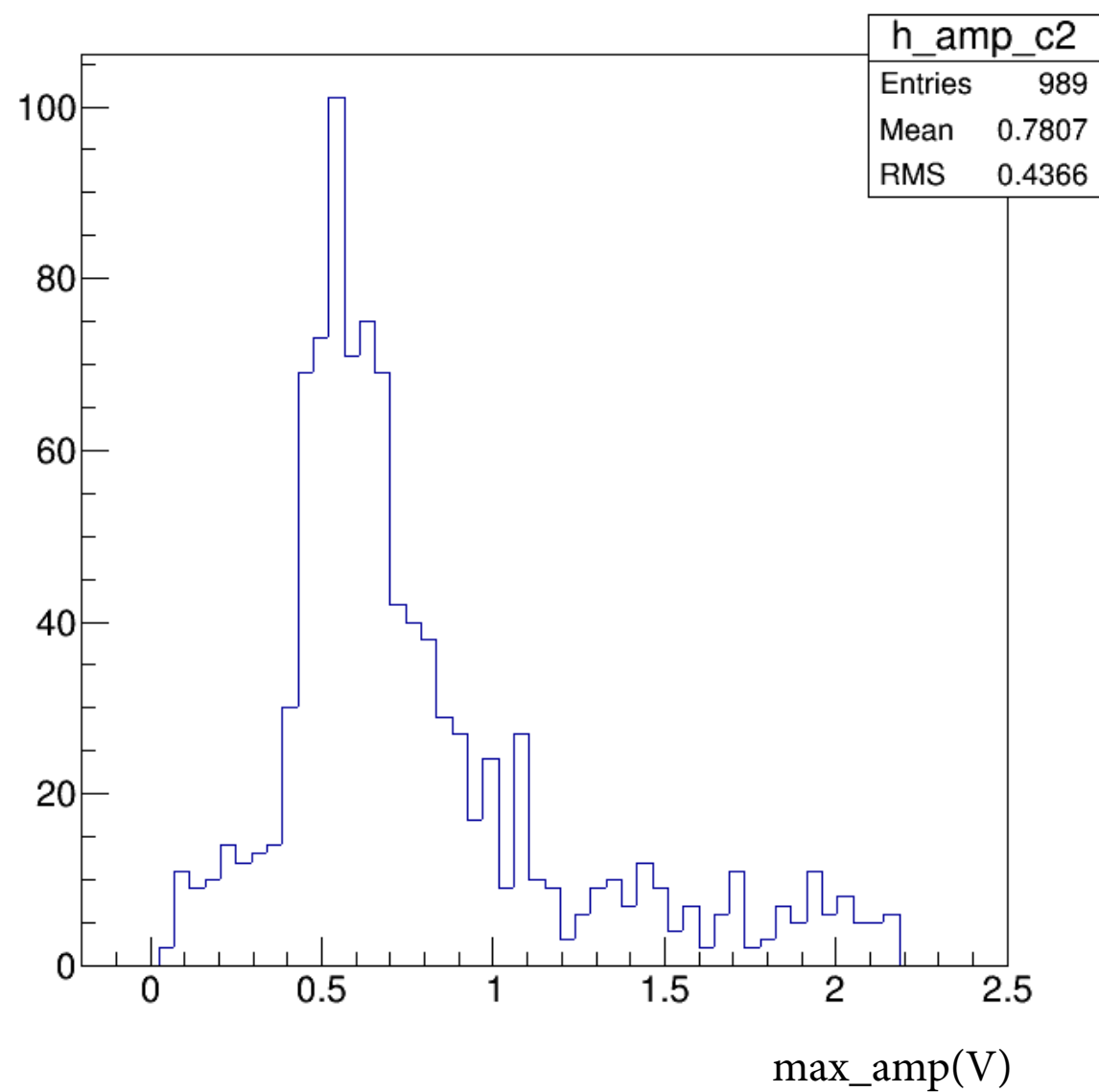


Thickness: 285 μm T:+20°C Vbias:150V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

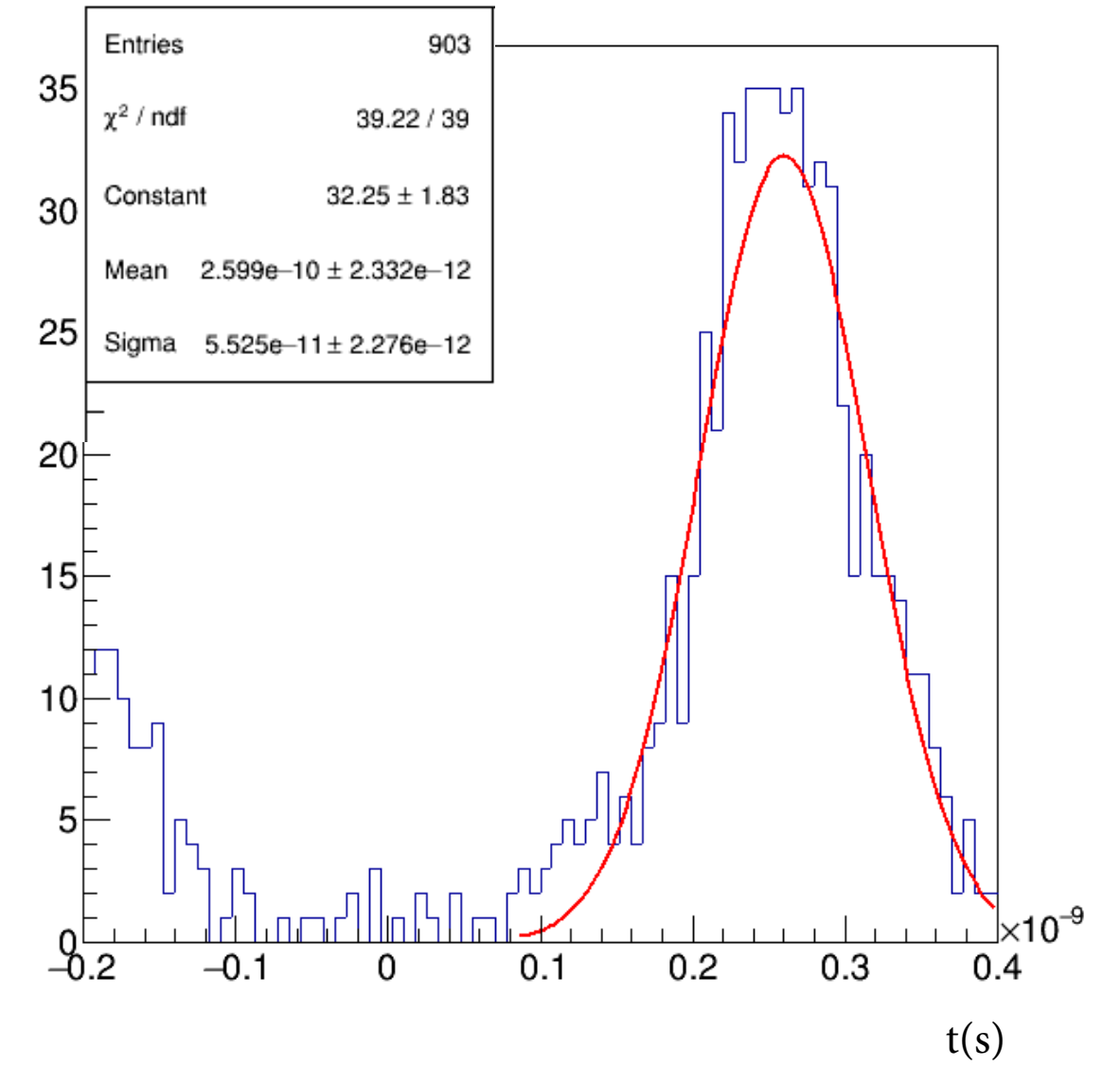
3D



LGAD

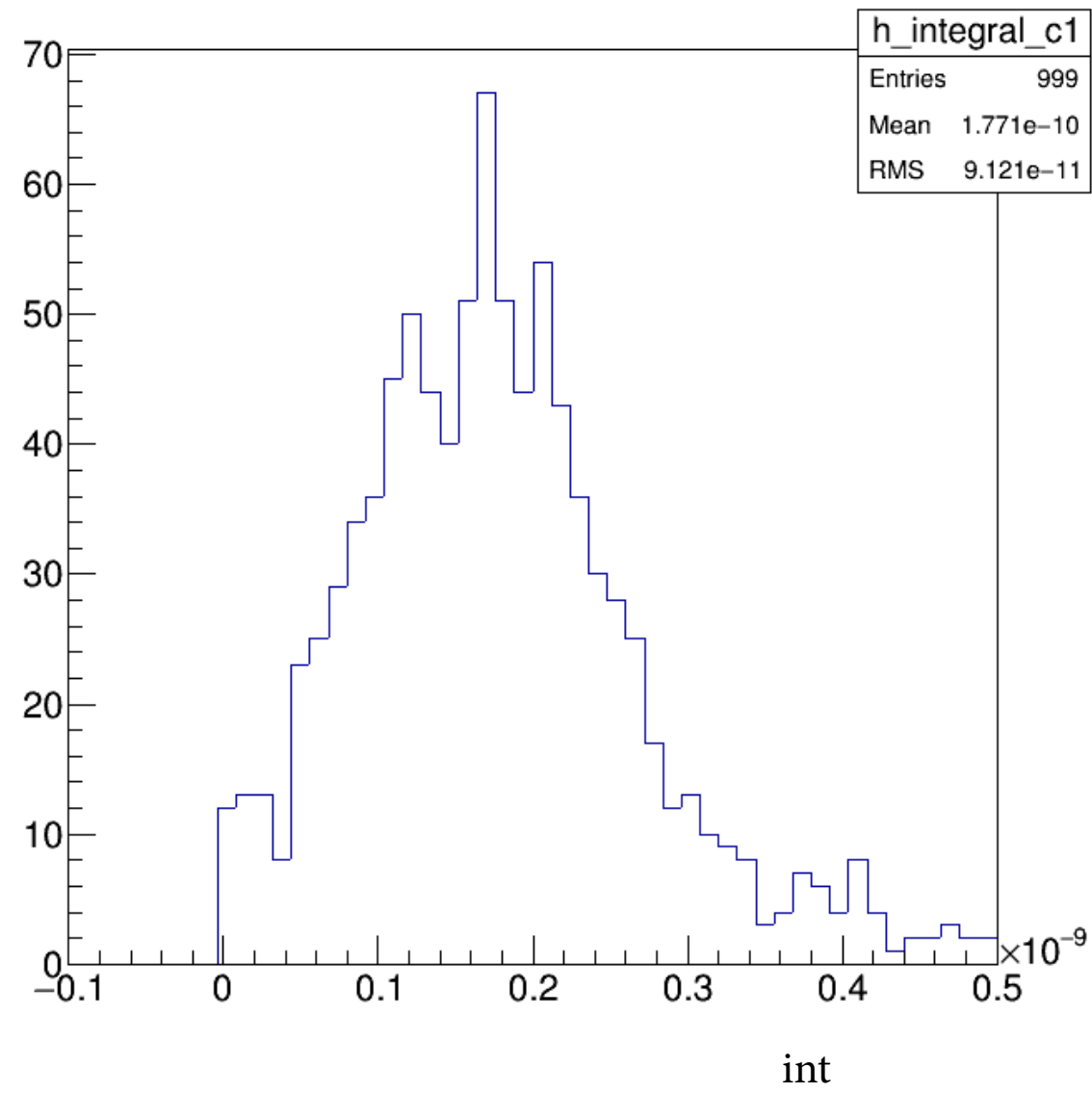


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

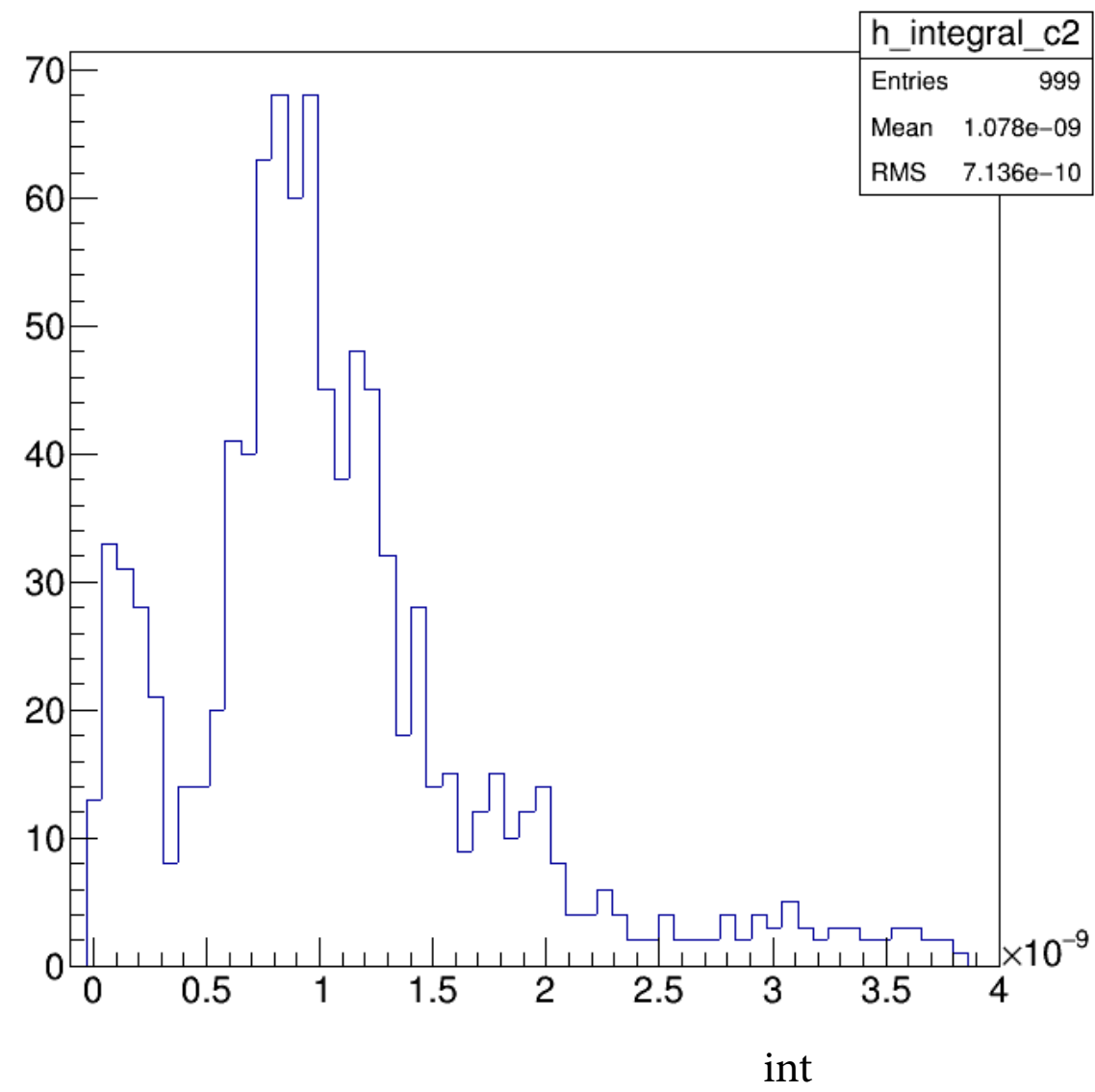


Thickness: 285 μm T:+20°C Vbias:150V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

3D

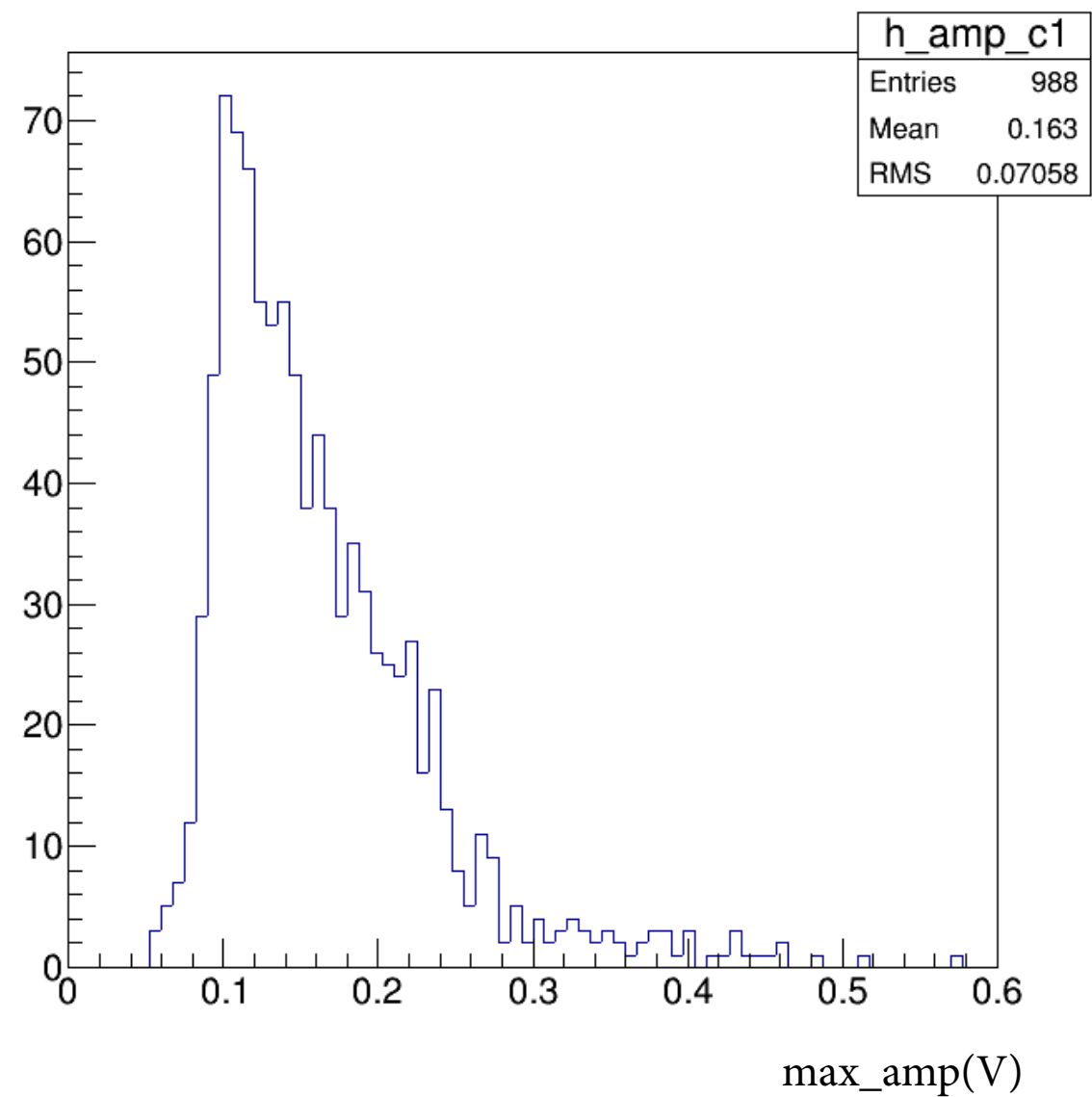


LGAD

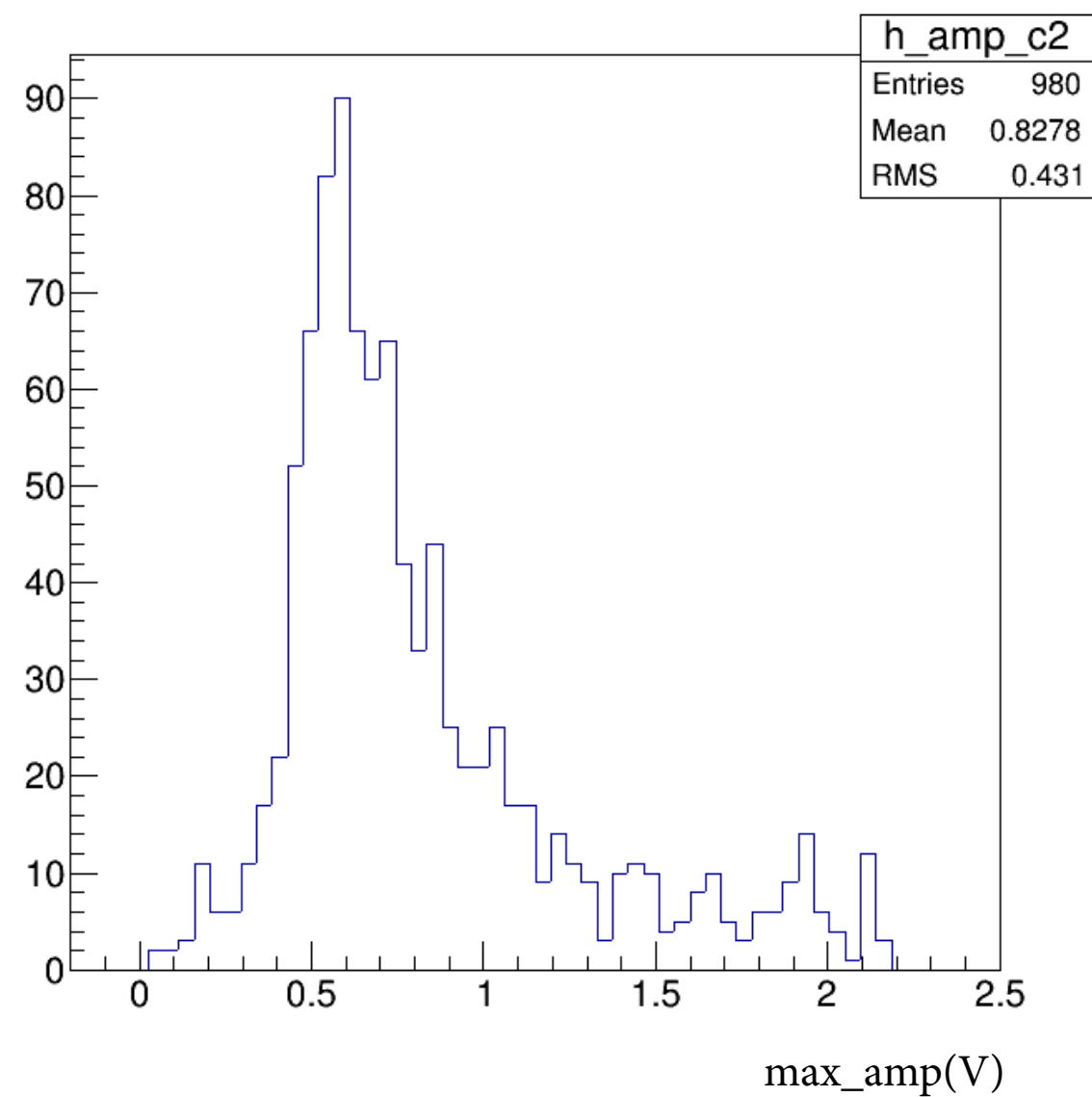


Thickness: 285 μm T:+20°C Vbias:200V Radiation dose: 2.3×10^{15} 1MeV $N_{\text{eq}}/\text{cm}^2$

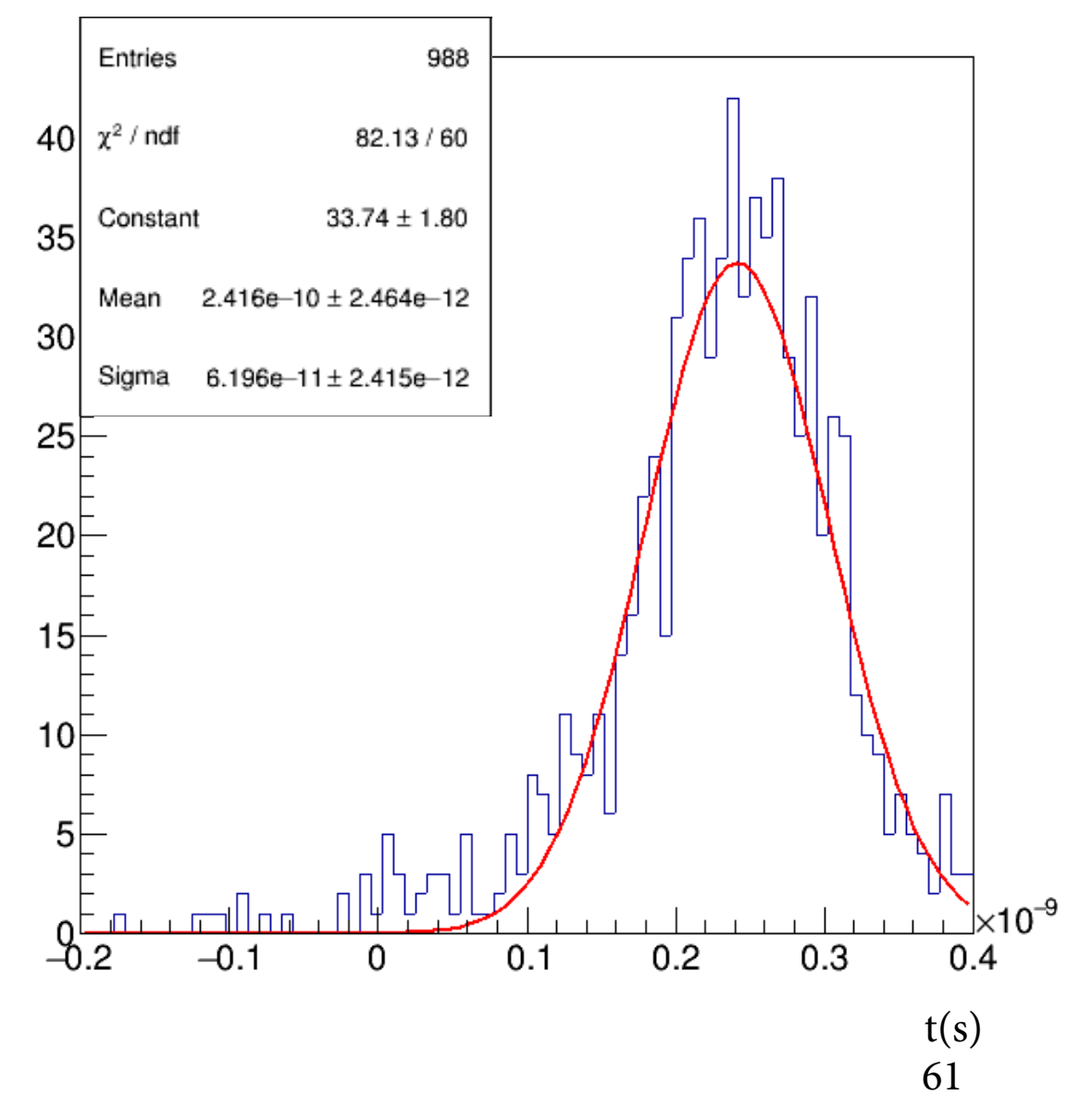
3D



LGAD

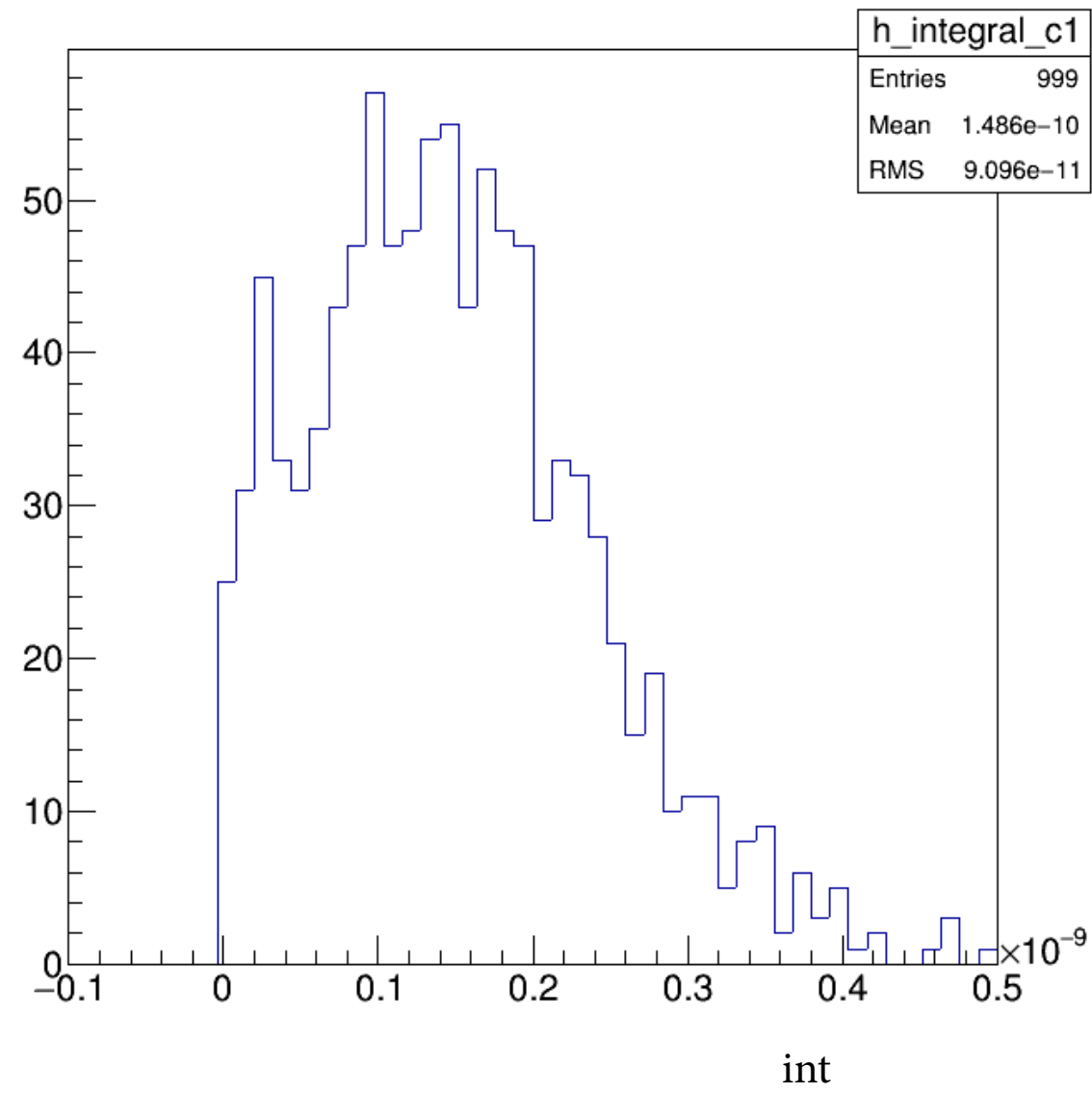


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

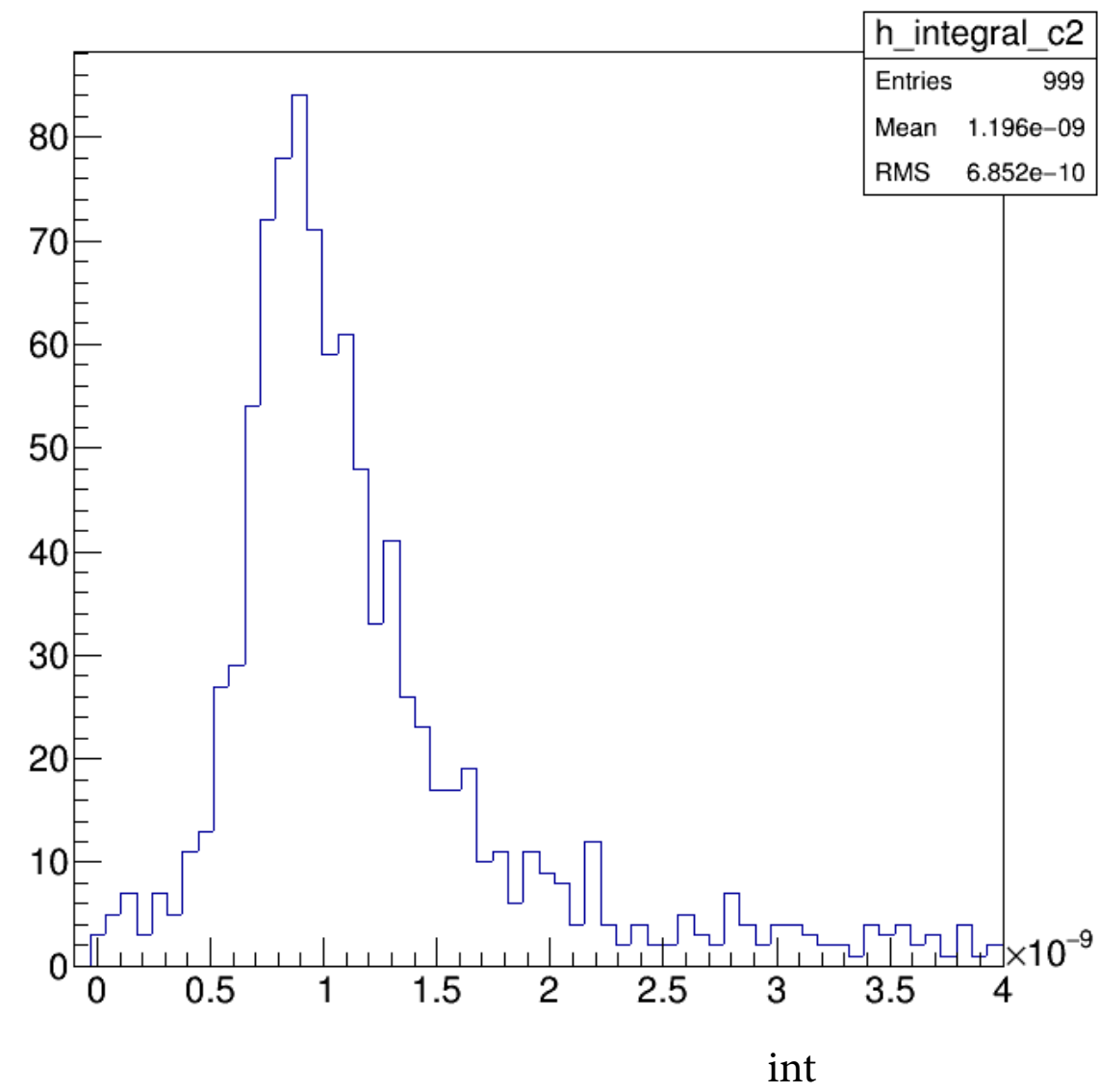


Thickness: 285 μm T:+20°C Vbias:200V Radiation dose: 2.3e15 1MeV $N_{\text{eq}}/\text{cm}^2$

3D



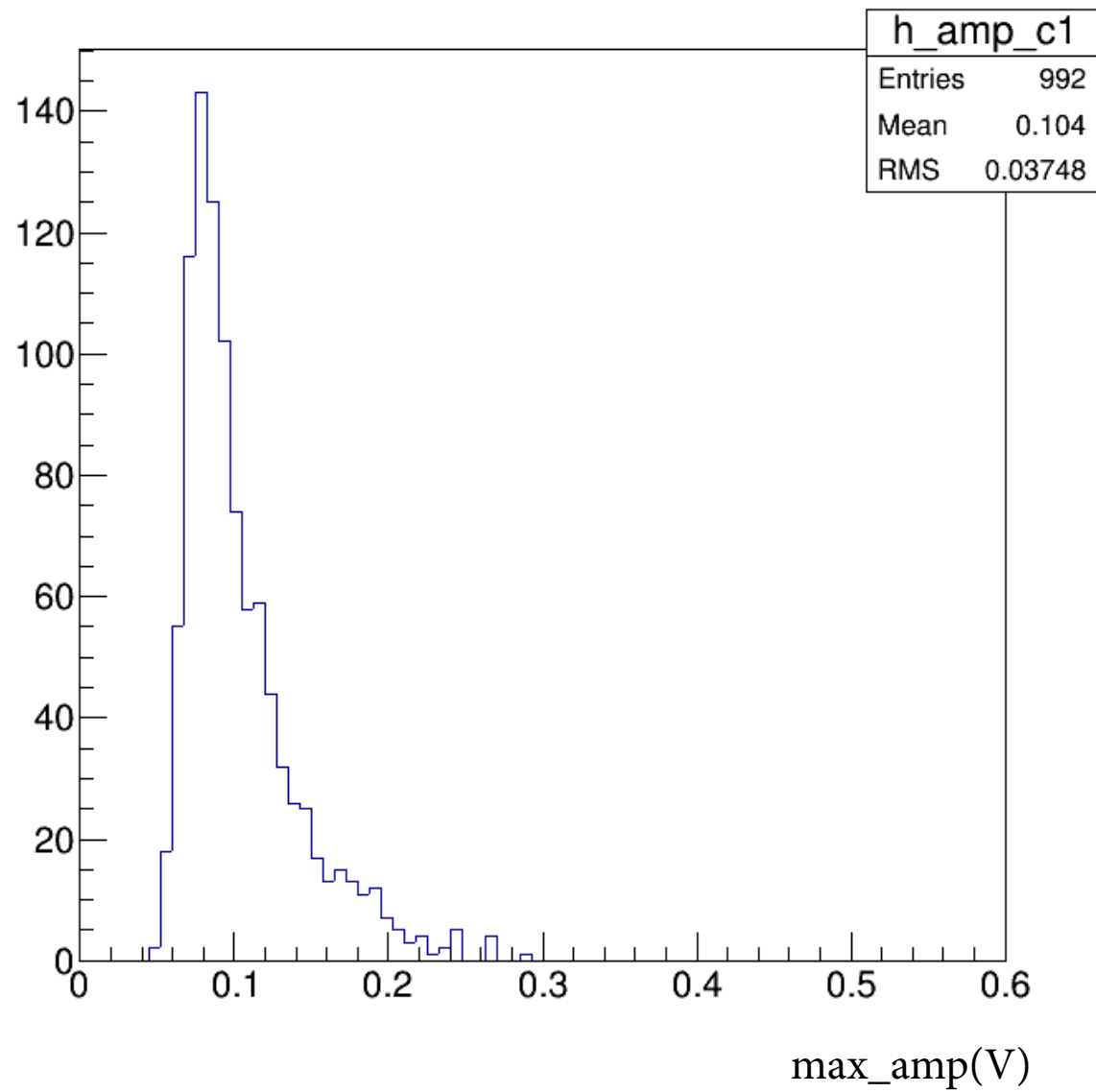
LGAD



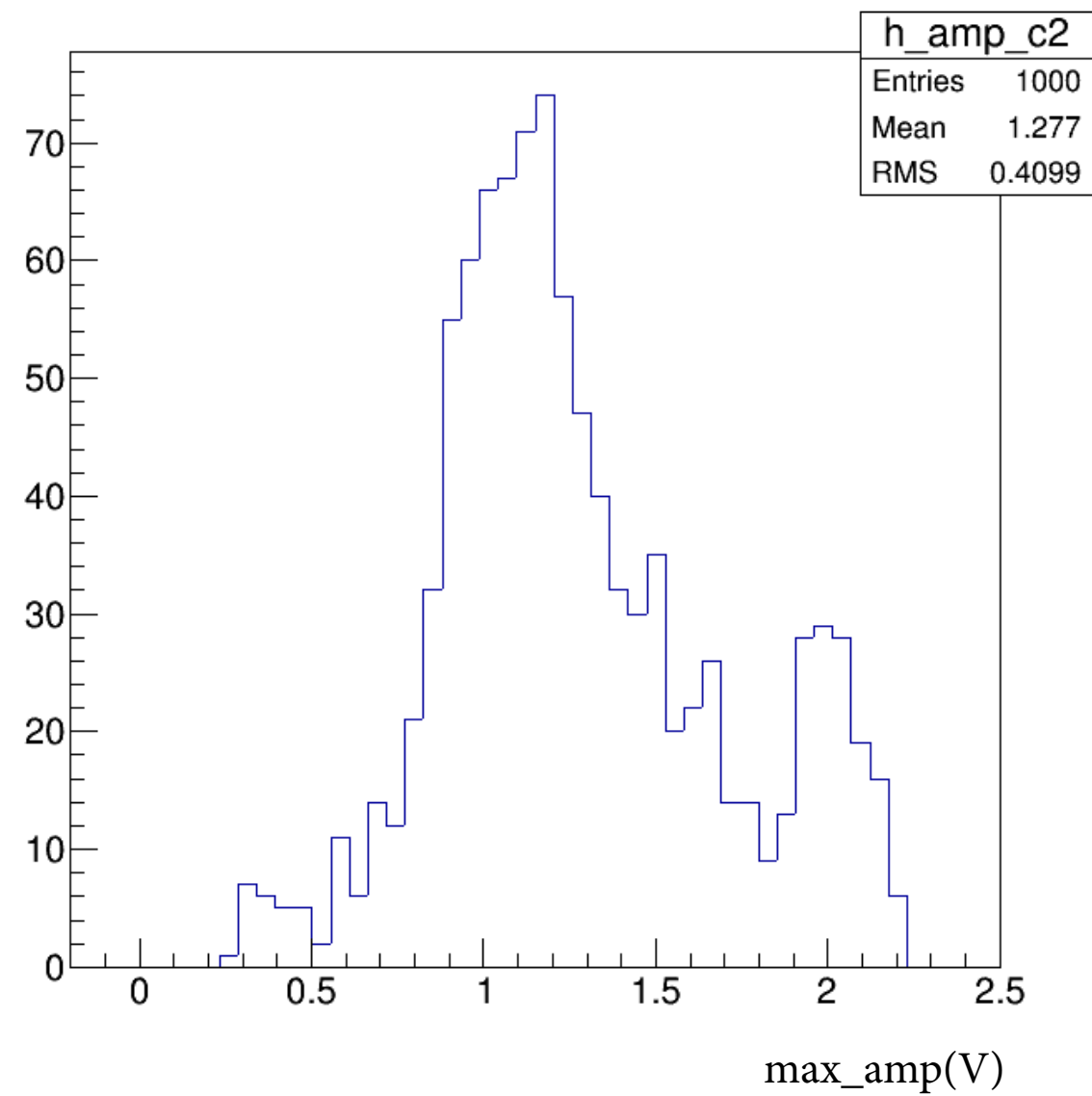
Thickness: 235 μm Radiation dose: non-irr

Thickness: 235 μm T:-20°C Vbias:50V Radiation dose: non-irr

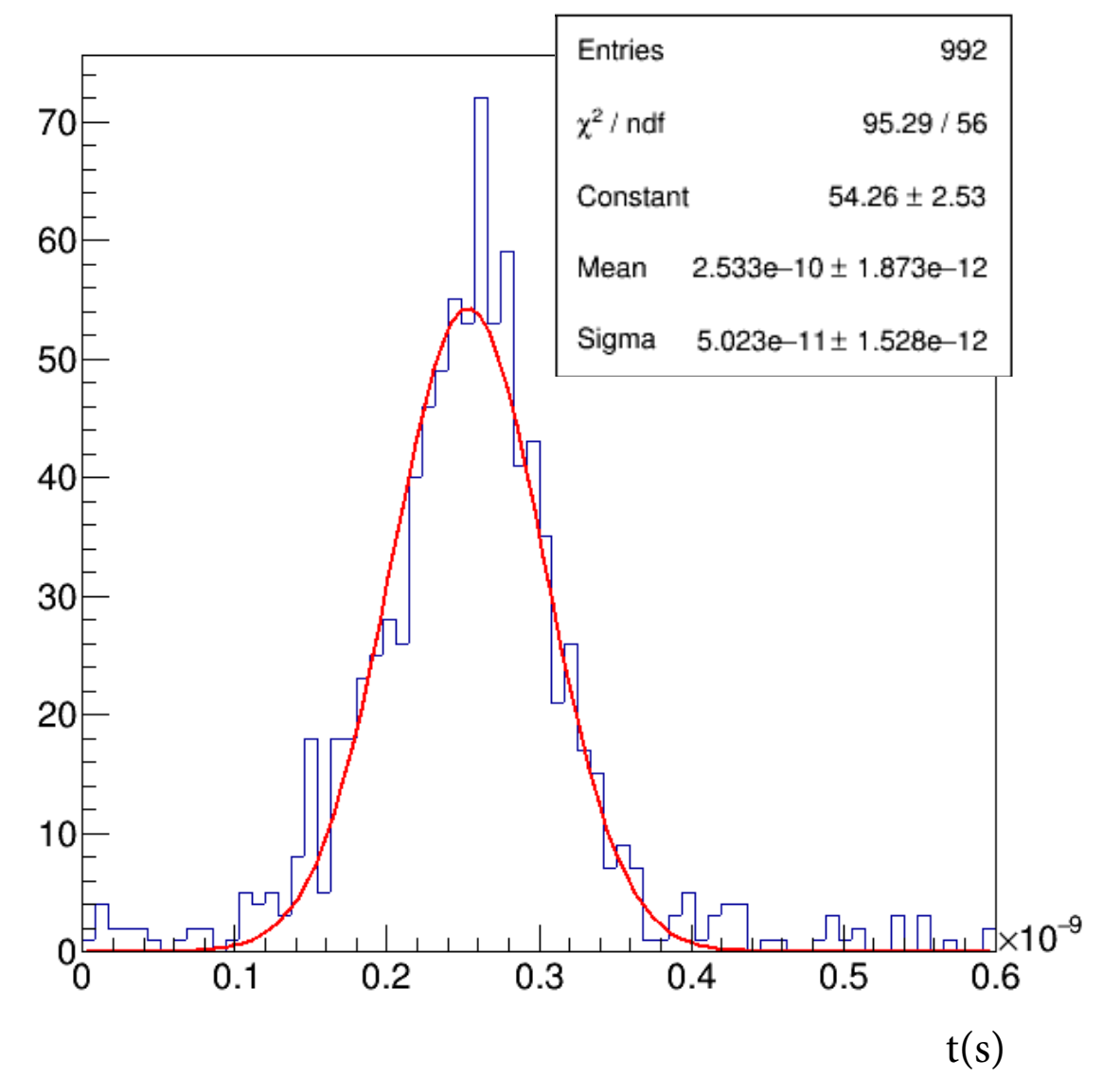
3D



LGAD

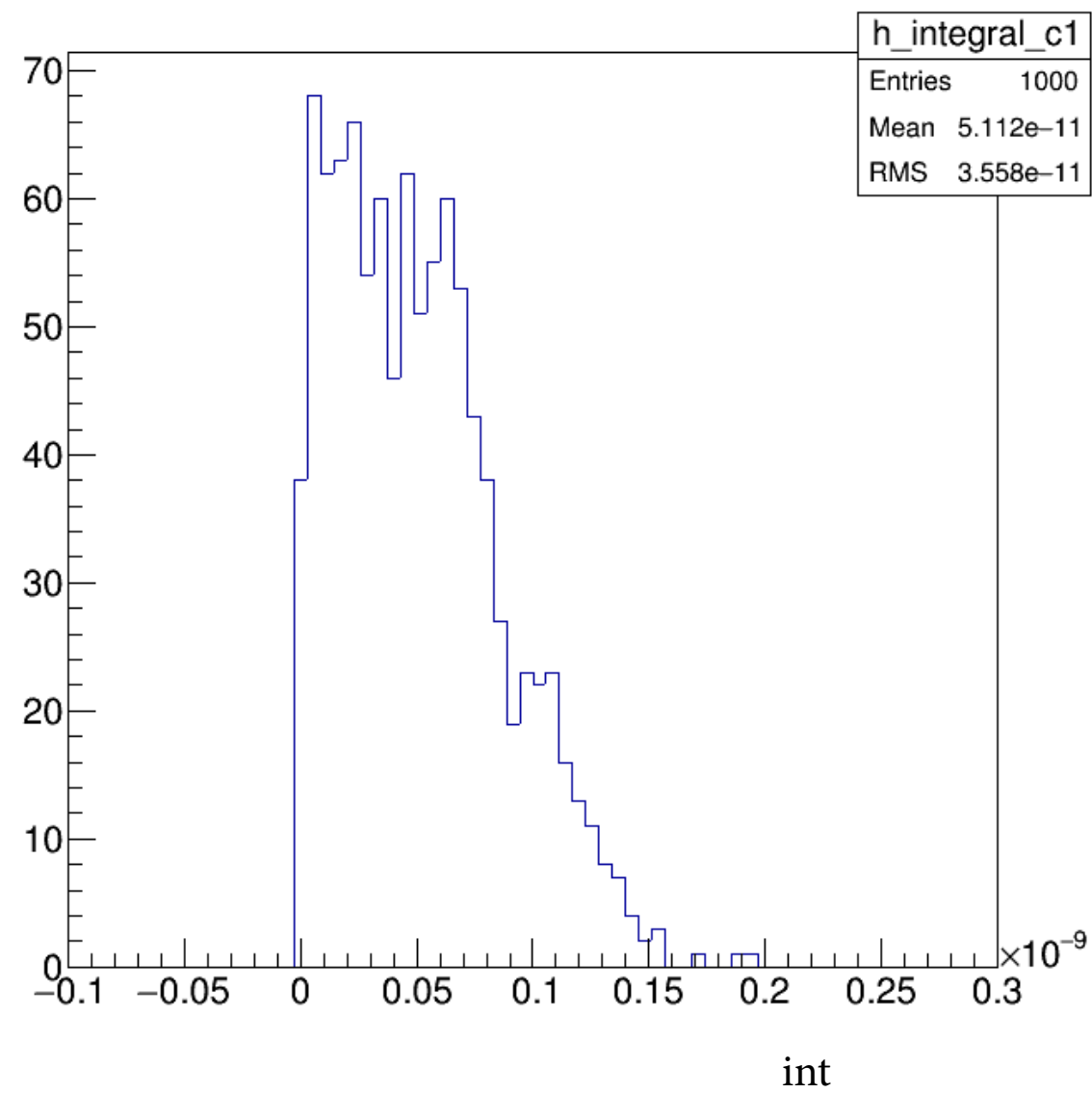


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

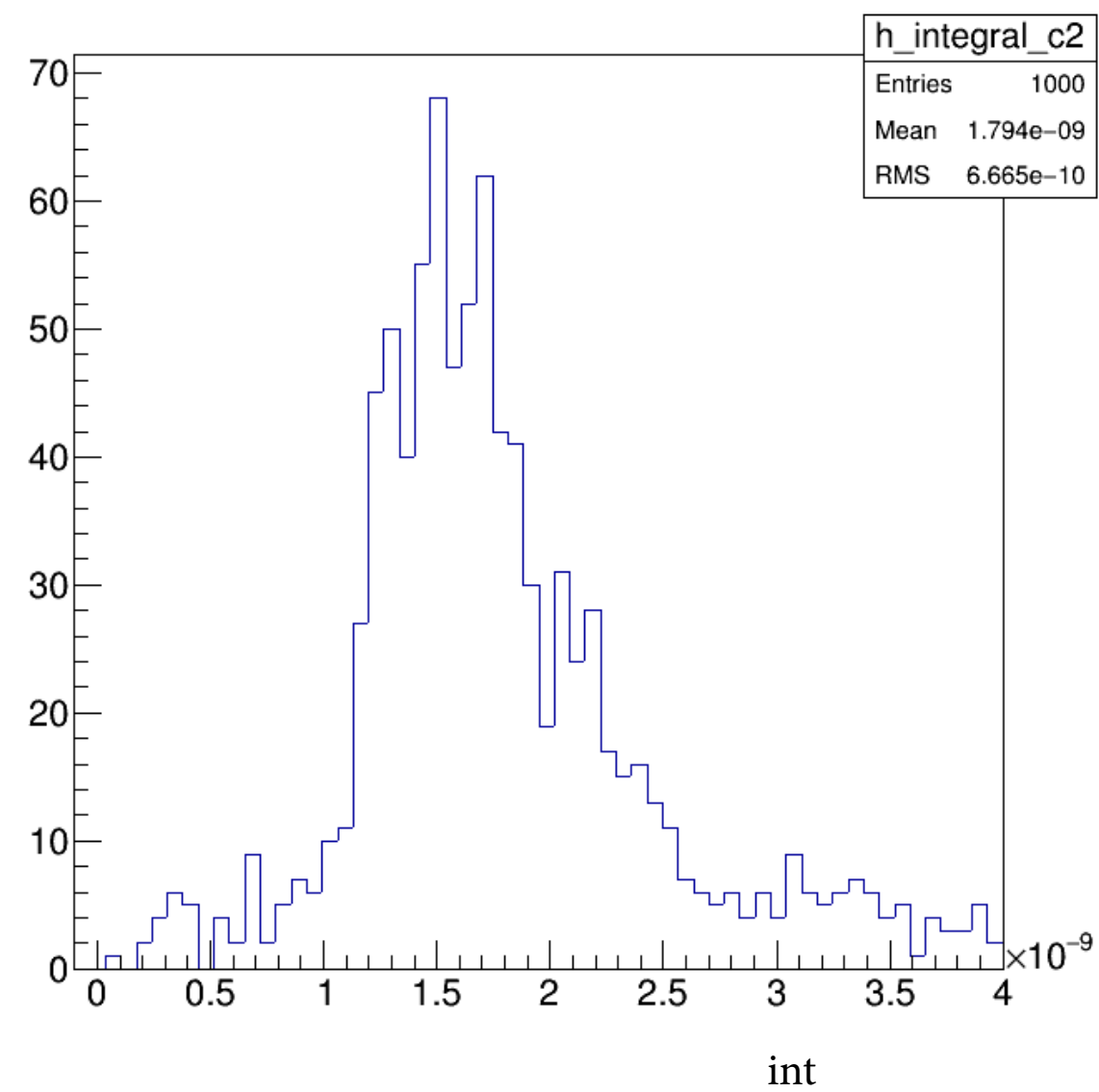


Thickness: 235 μm T:-20°C Vbias:50V Radiation dose: non-irr

3D

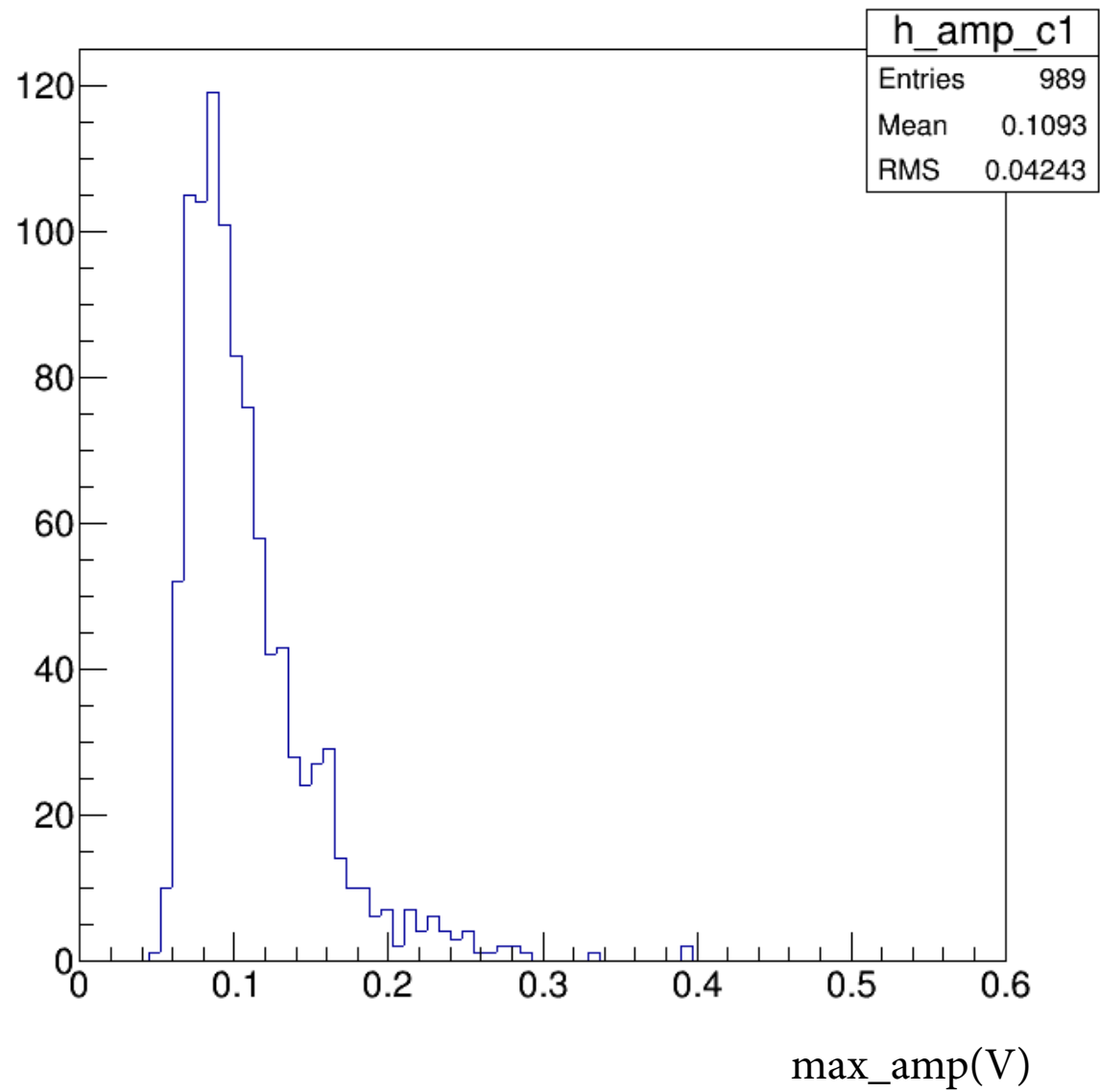


LGAD

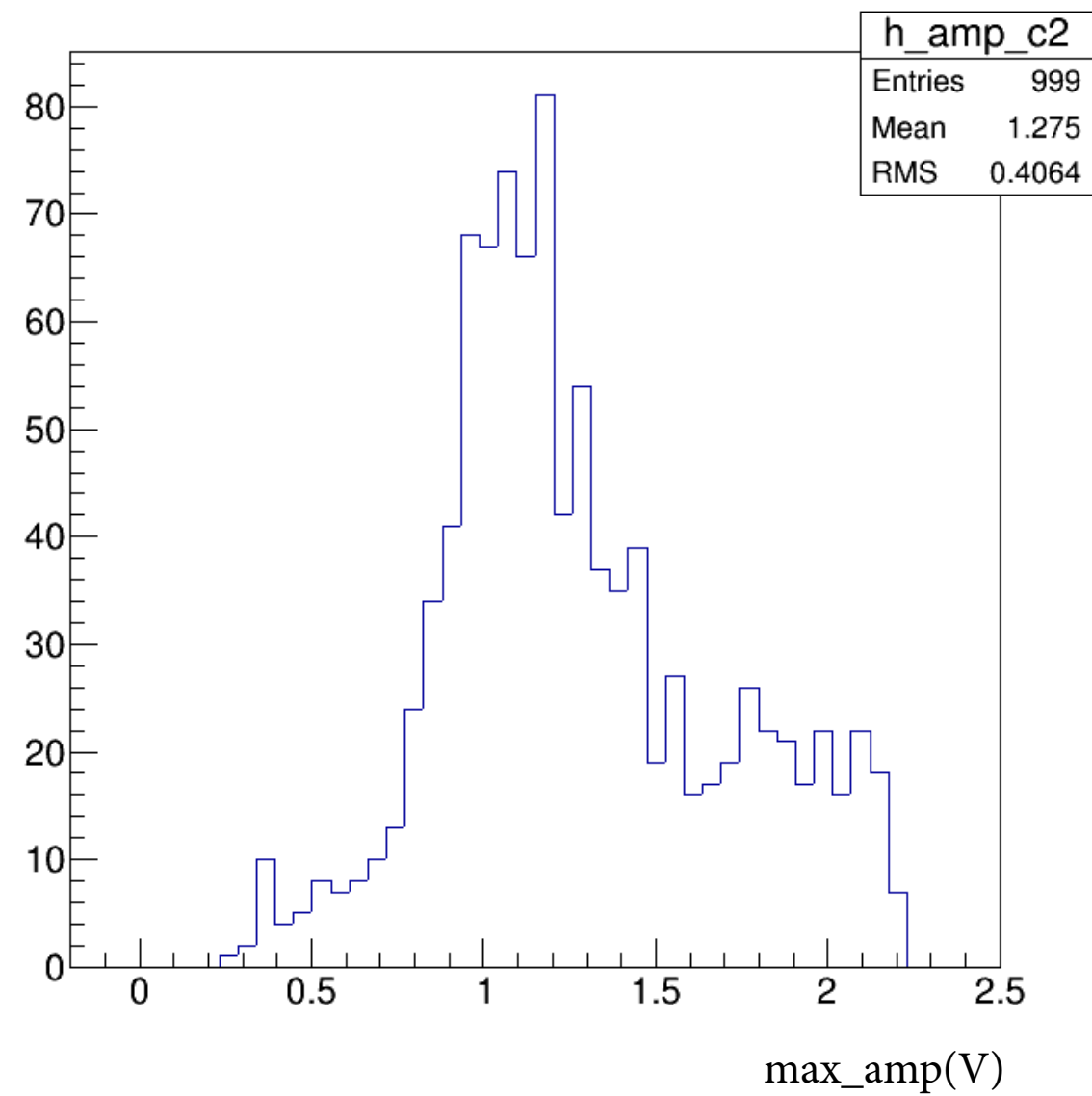


Thickness: 235 μm T:-20°C Vbias:100V Radiation dose: non-irr

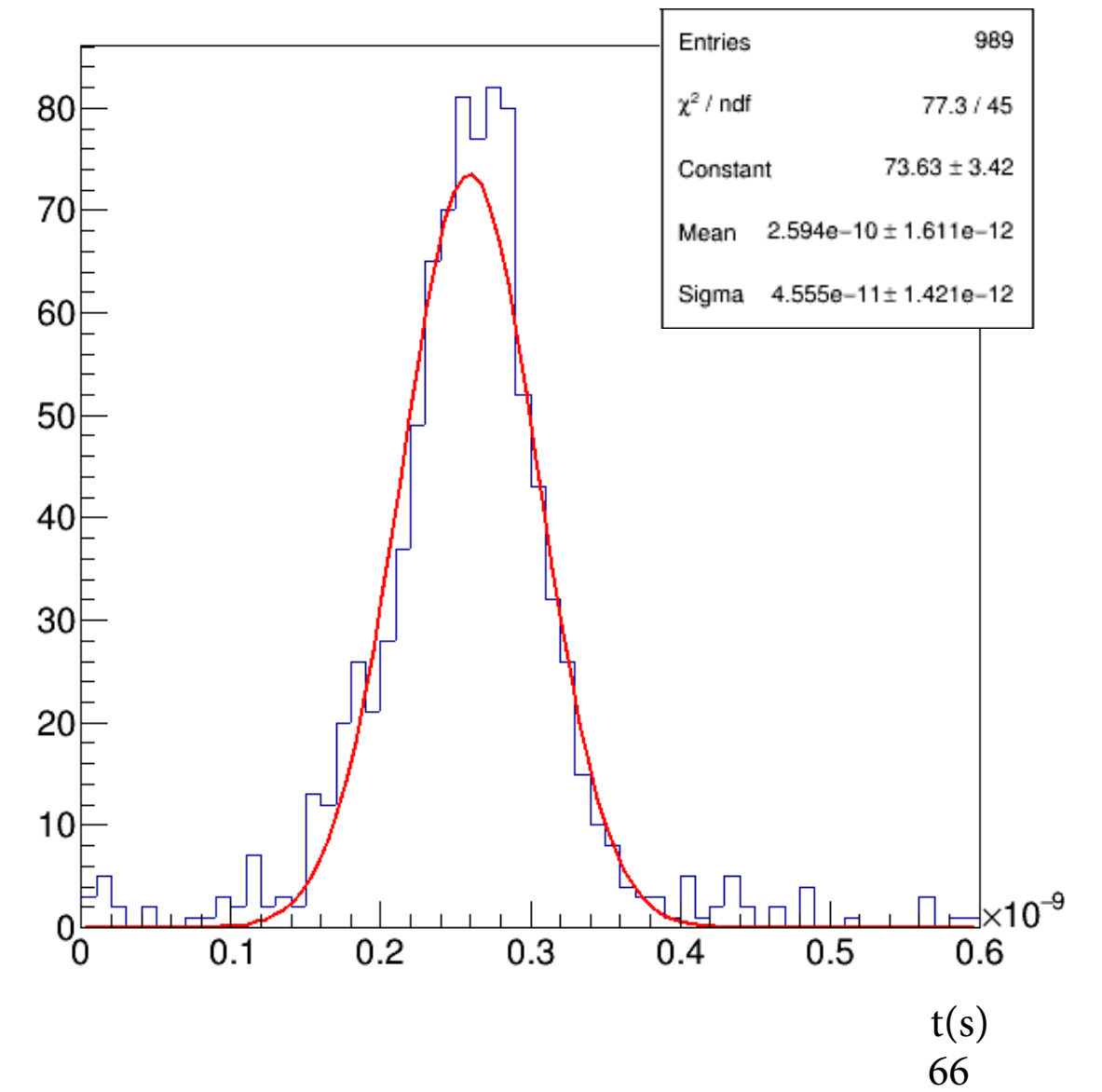
3D



LGAD

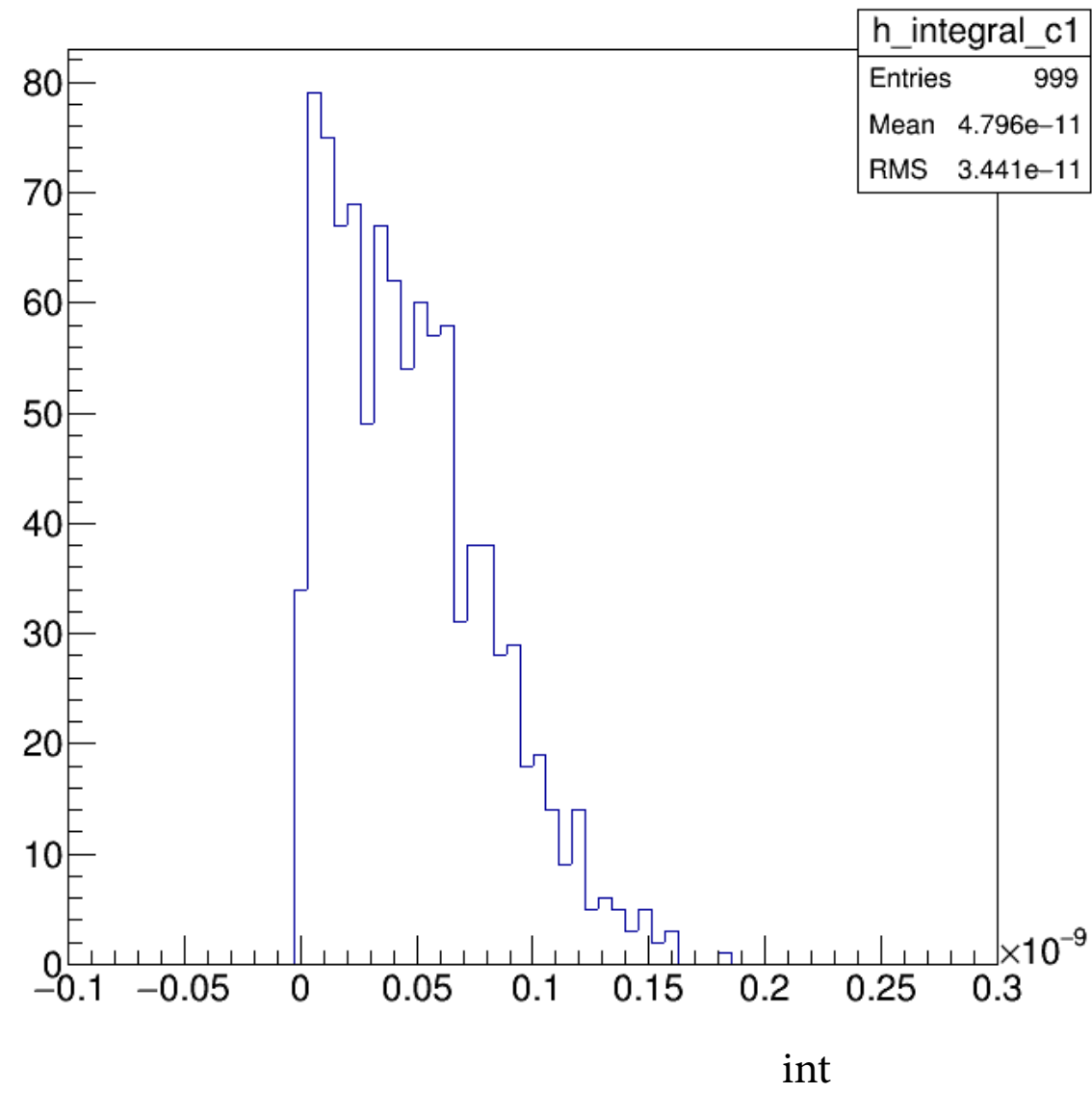


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

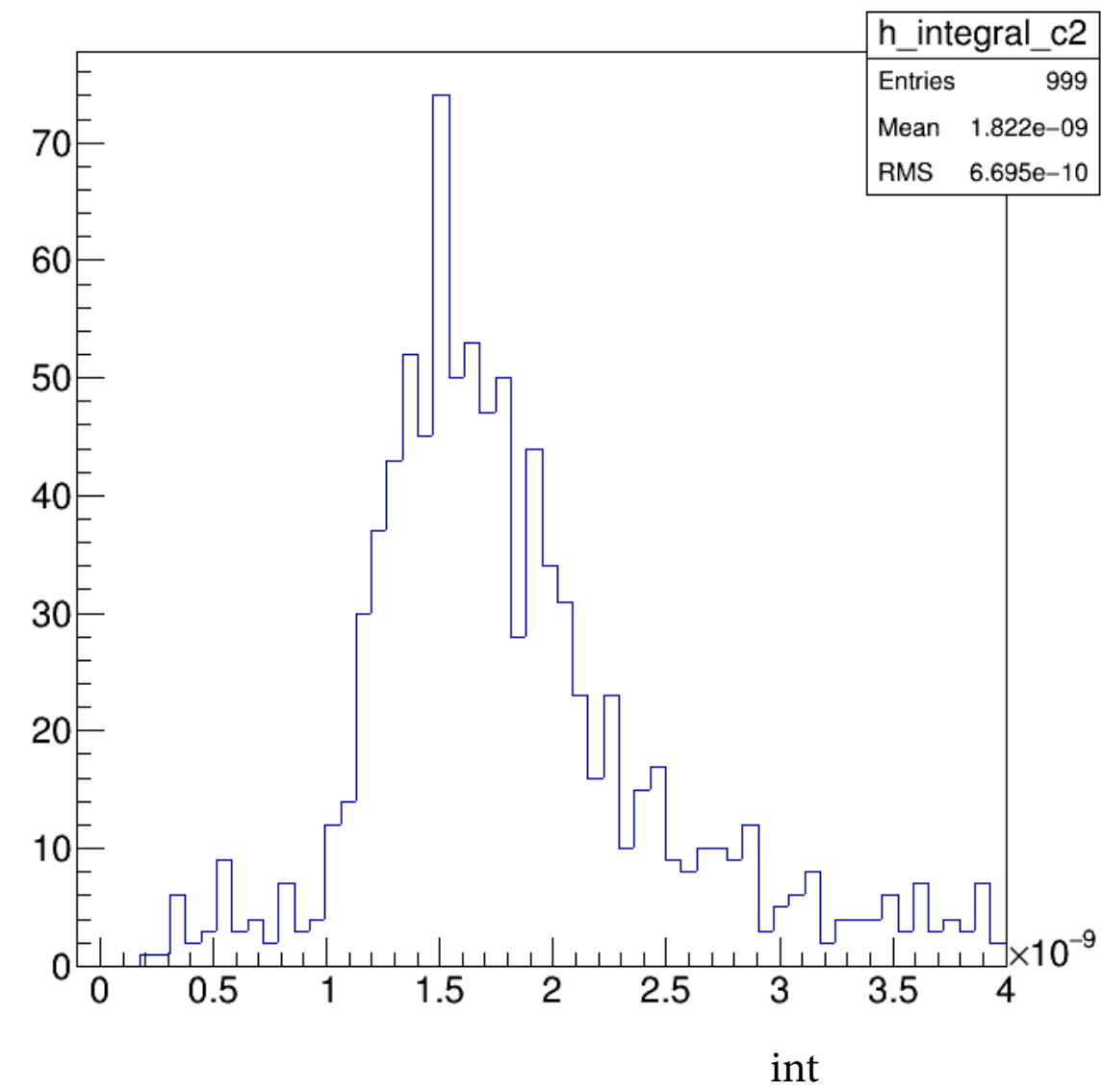


Thickness: 235 μm T:-20°C Vbias:100V Radiation dose: non-irr

3D

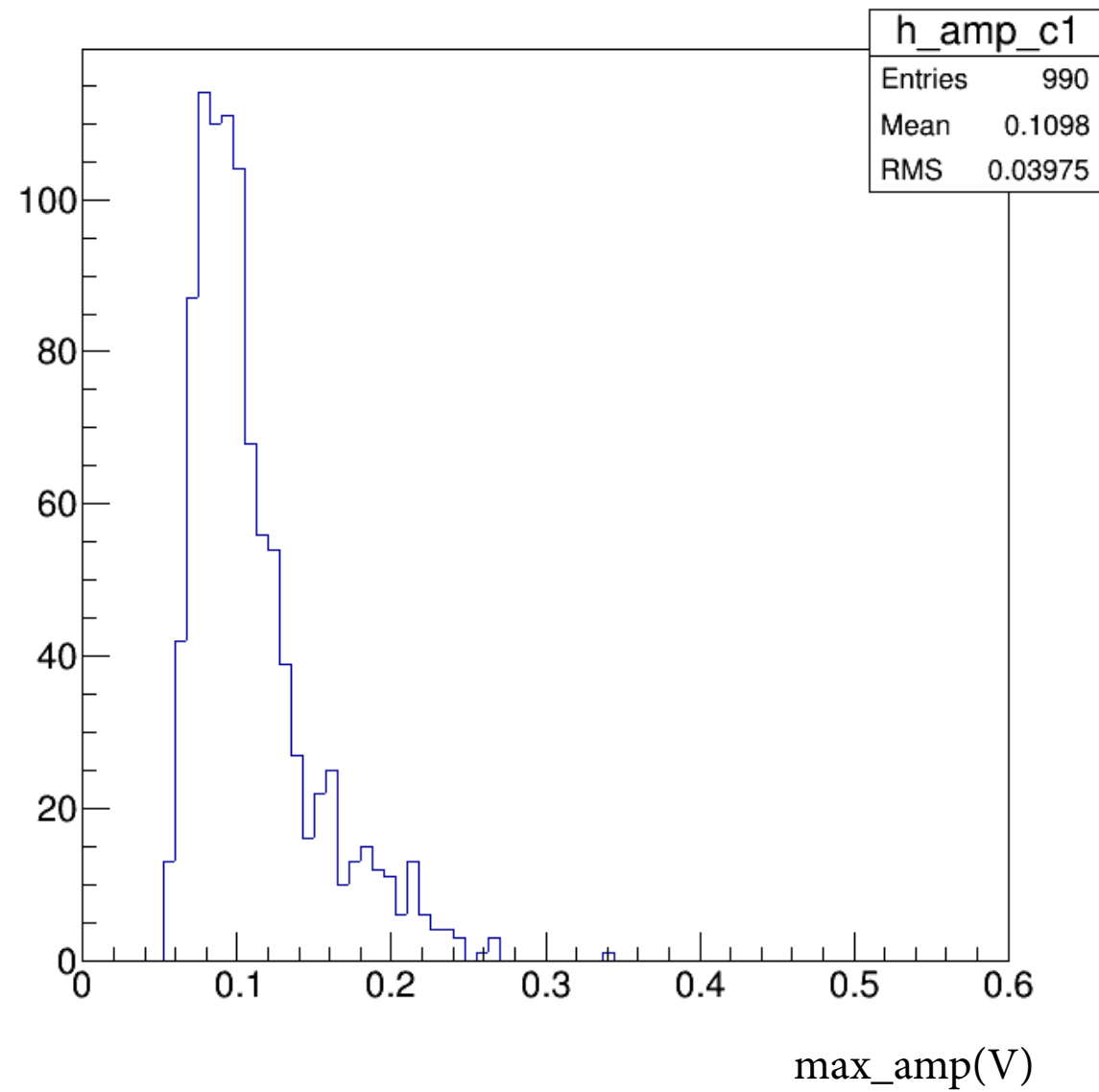


LGAD

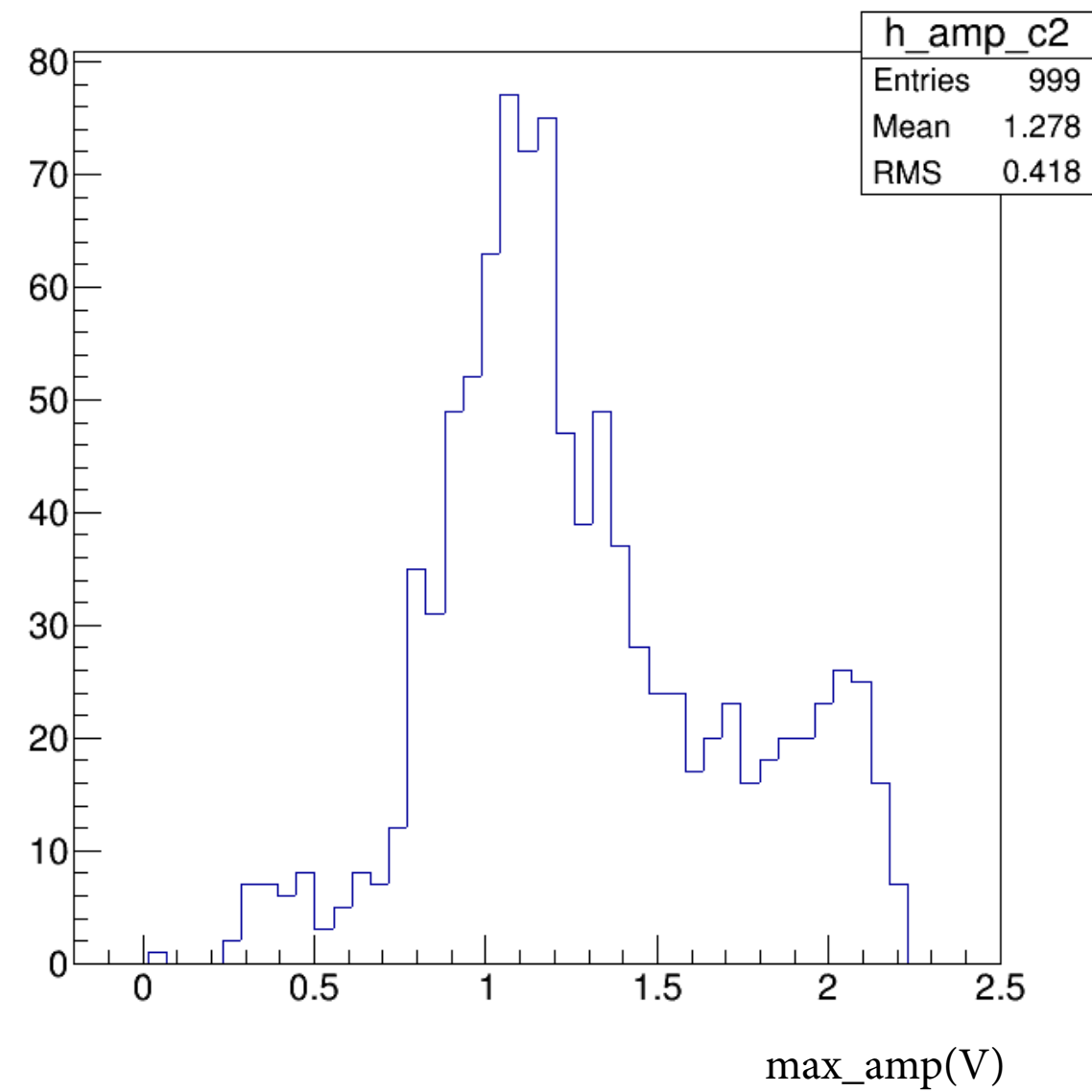


Thickness: 235 μm T:-20°C Vbias:150V Radiation dose: non-irr

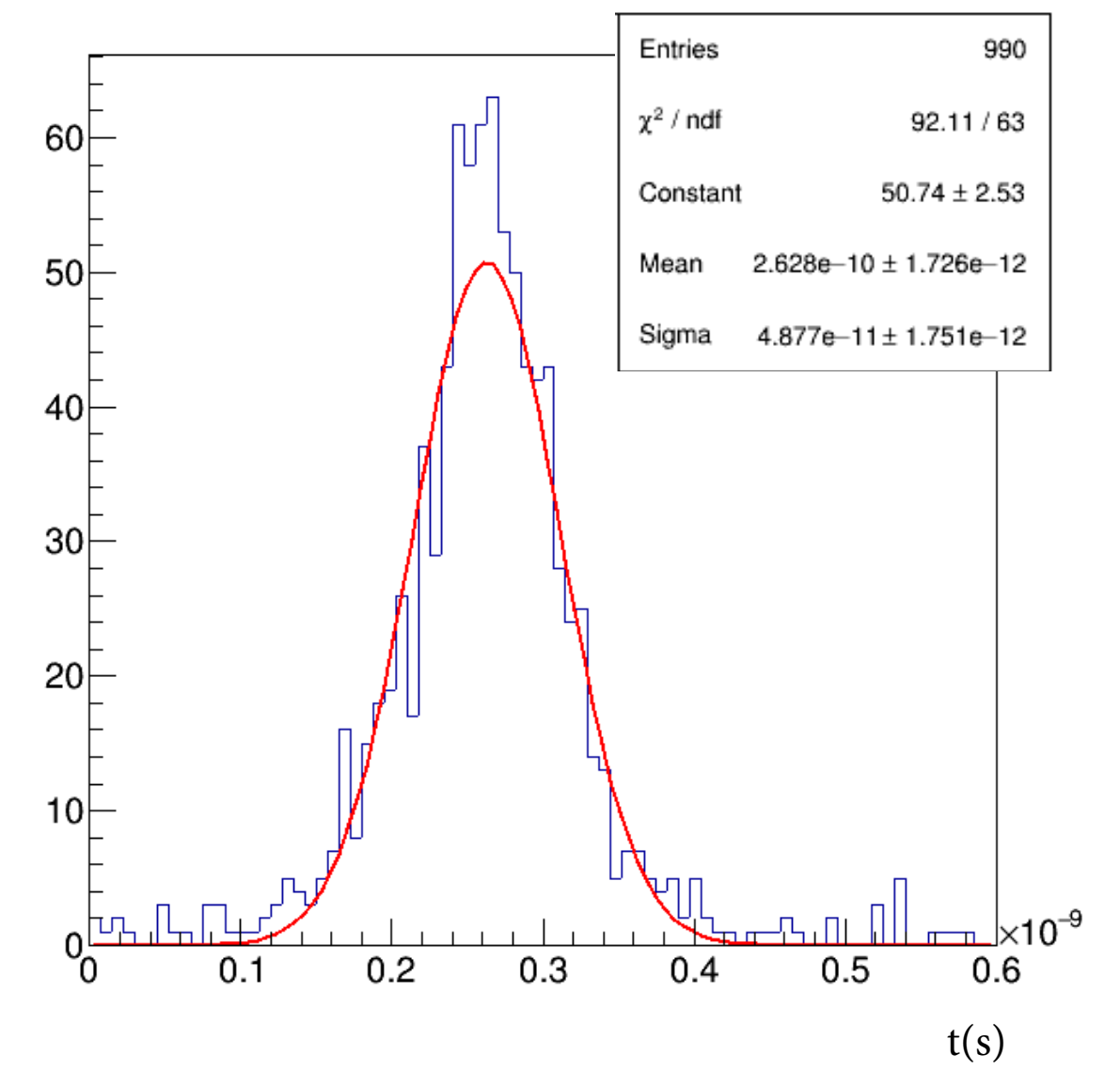
3D



LGAD

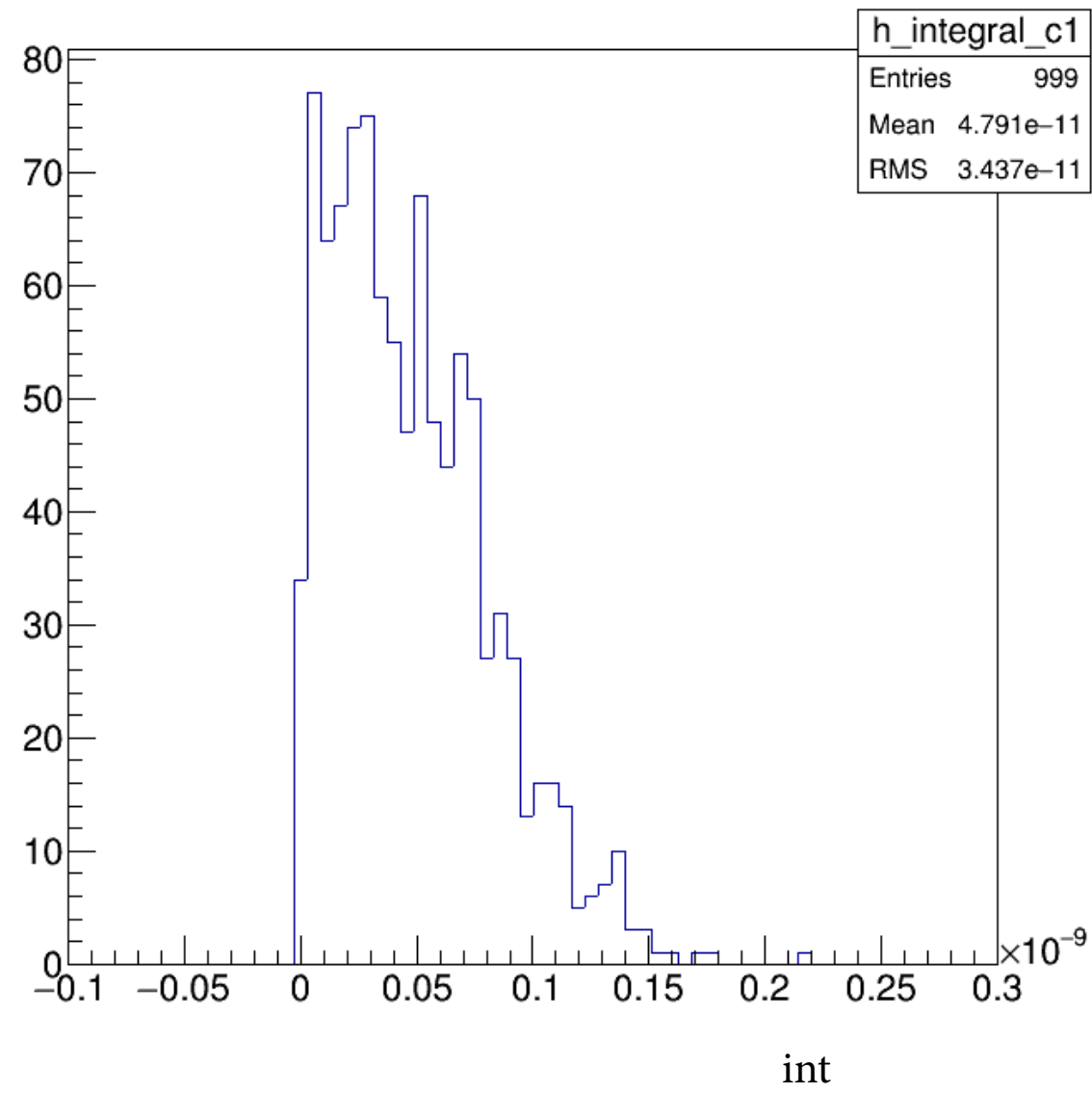


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

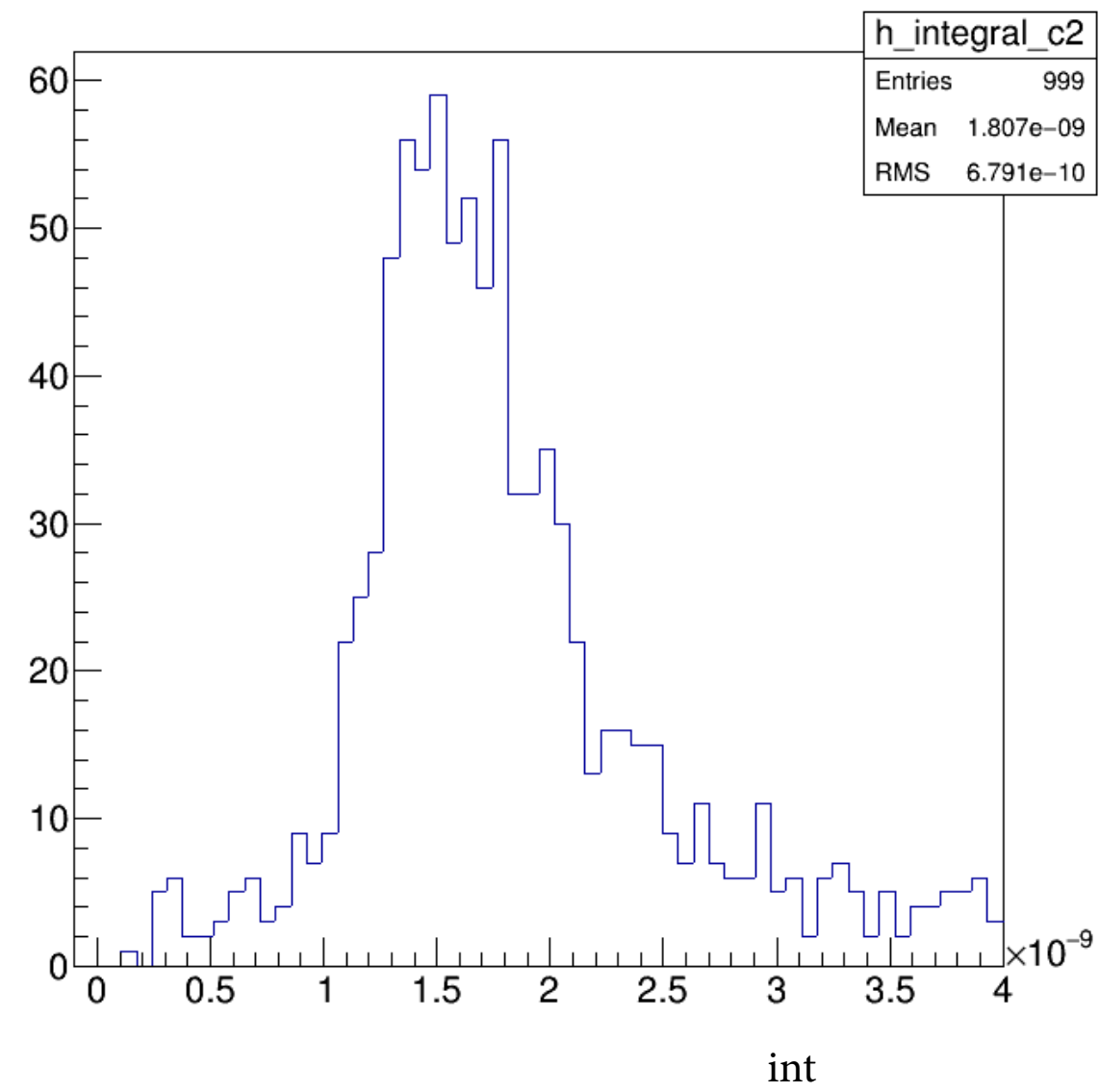


Thickness: 235 μm T:-20°C Vbias:150V Radiation dose: non-irr

3D

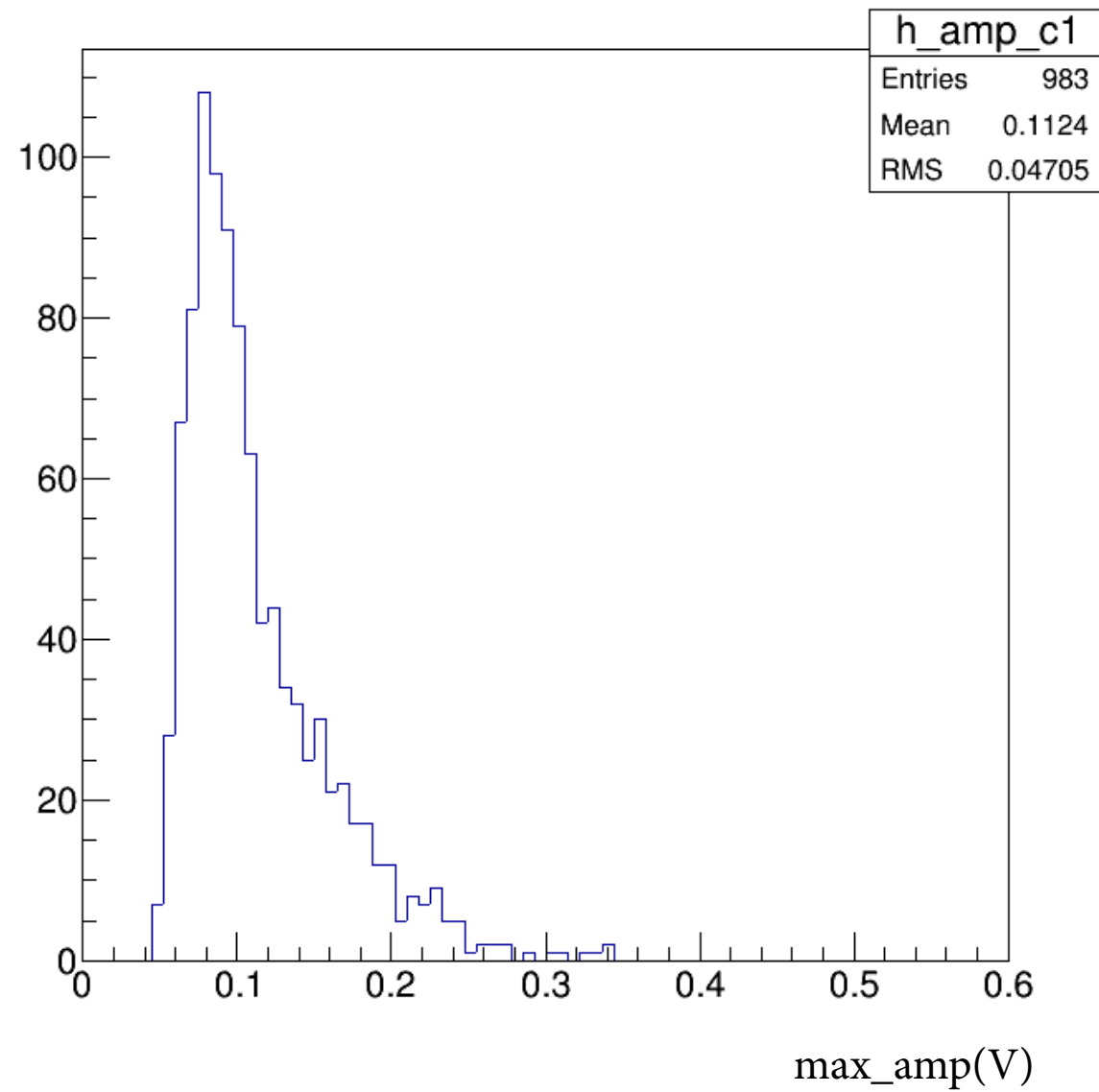


LGAD

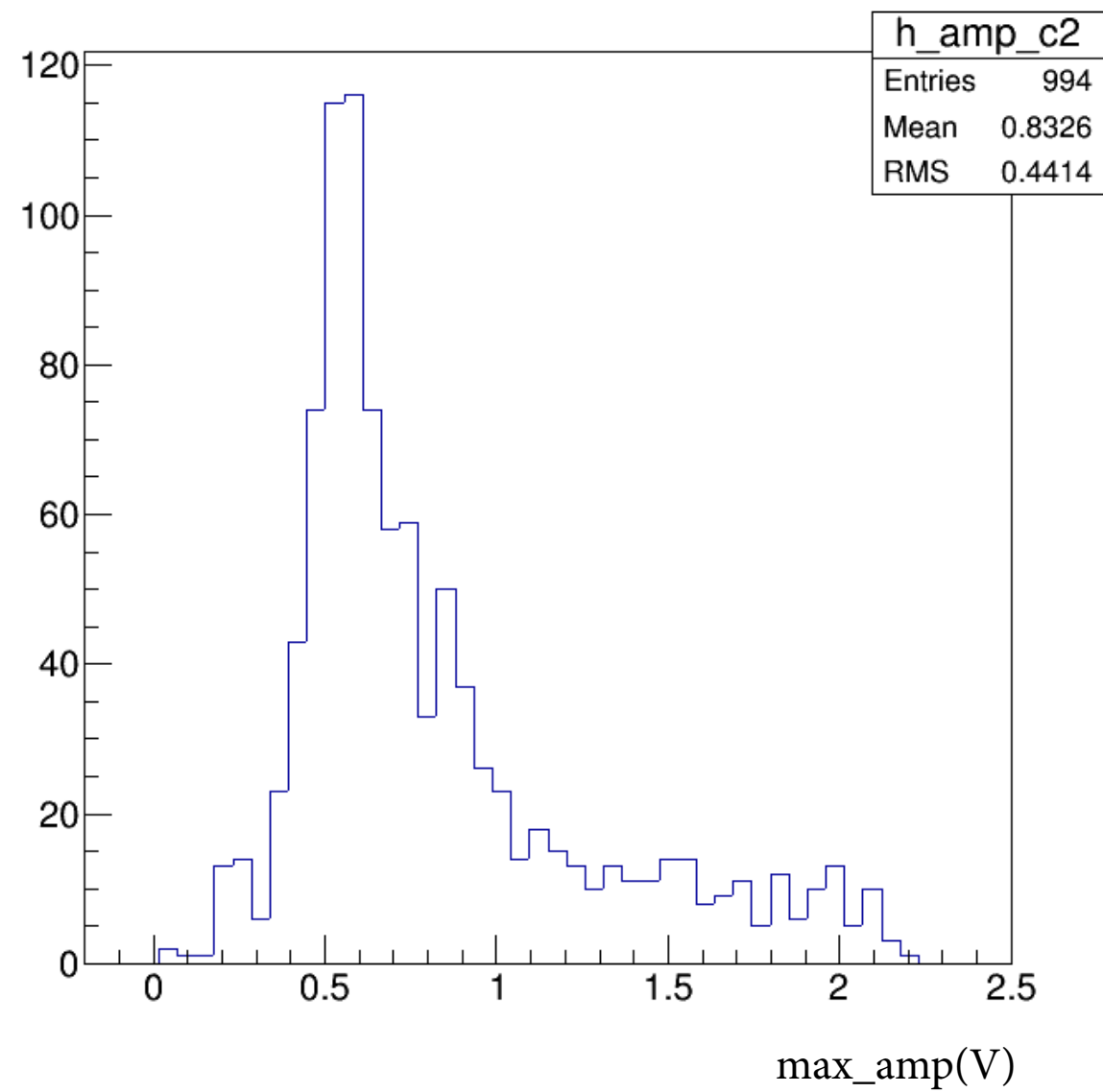


Thickness: 235 μm T:+20°C Vbias:50V Radiation dose: non-irr

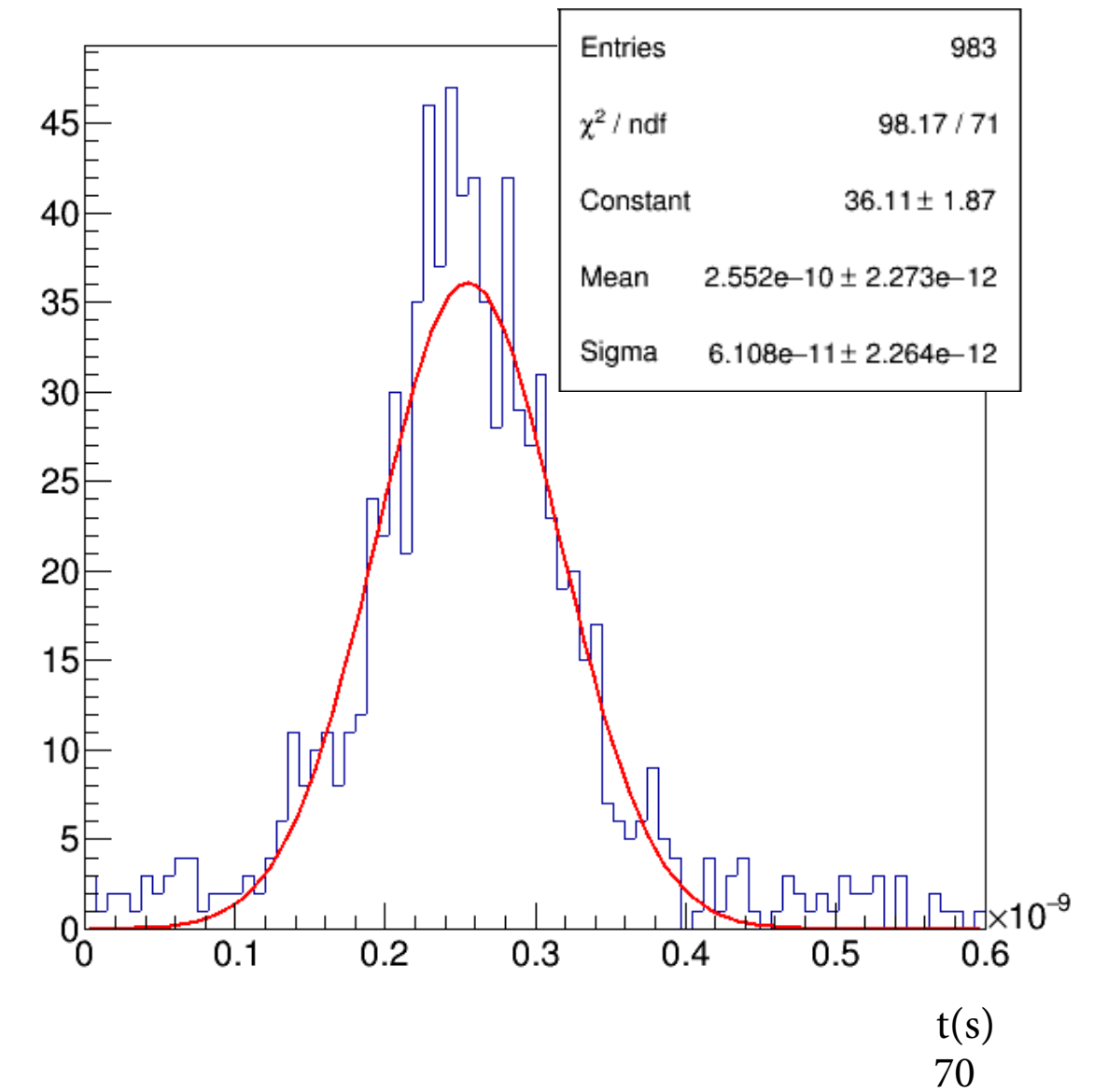
3D



LGAD

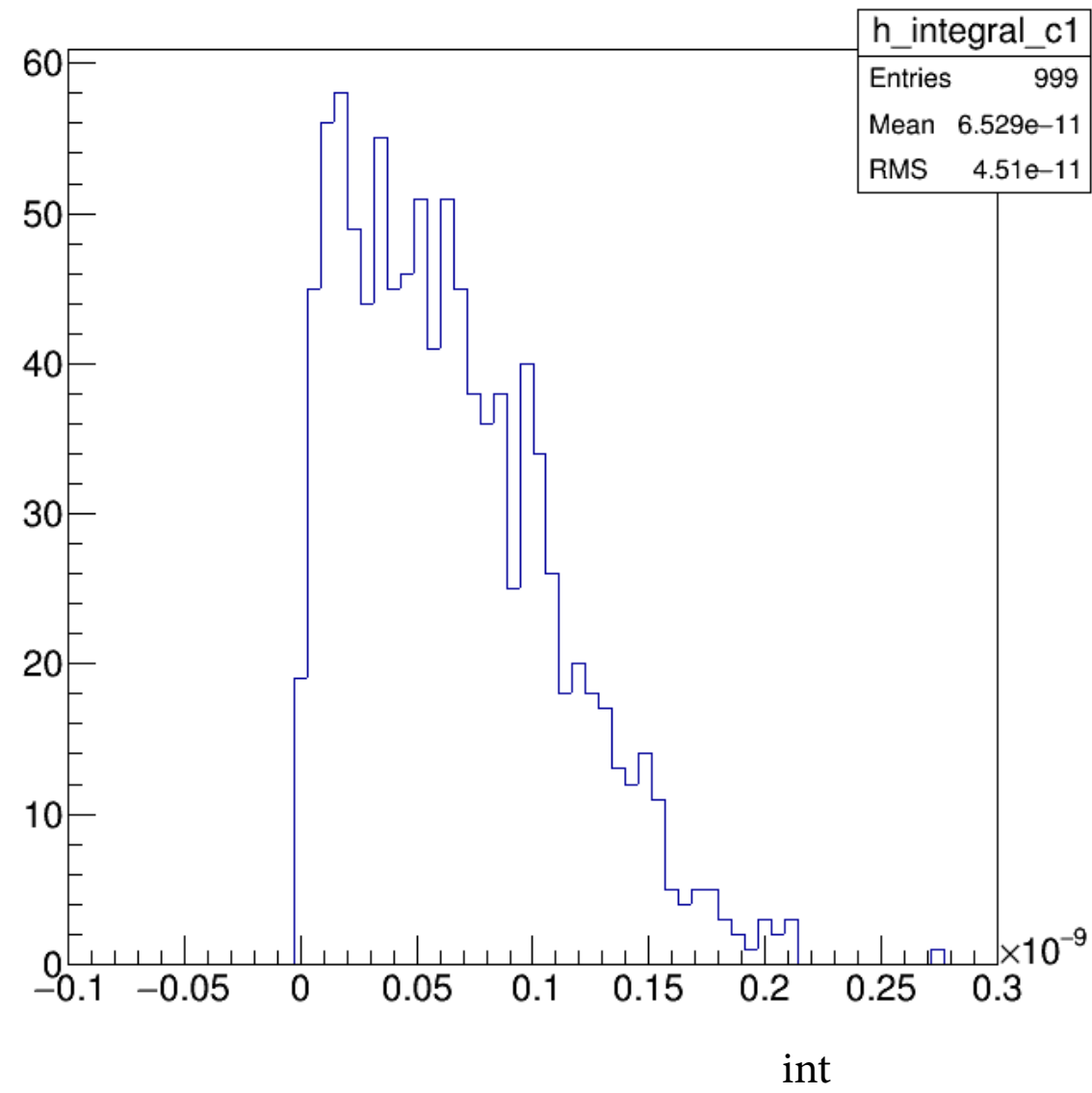


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

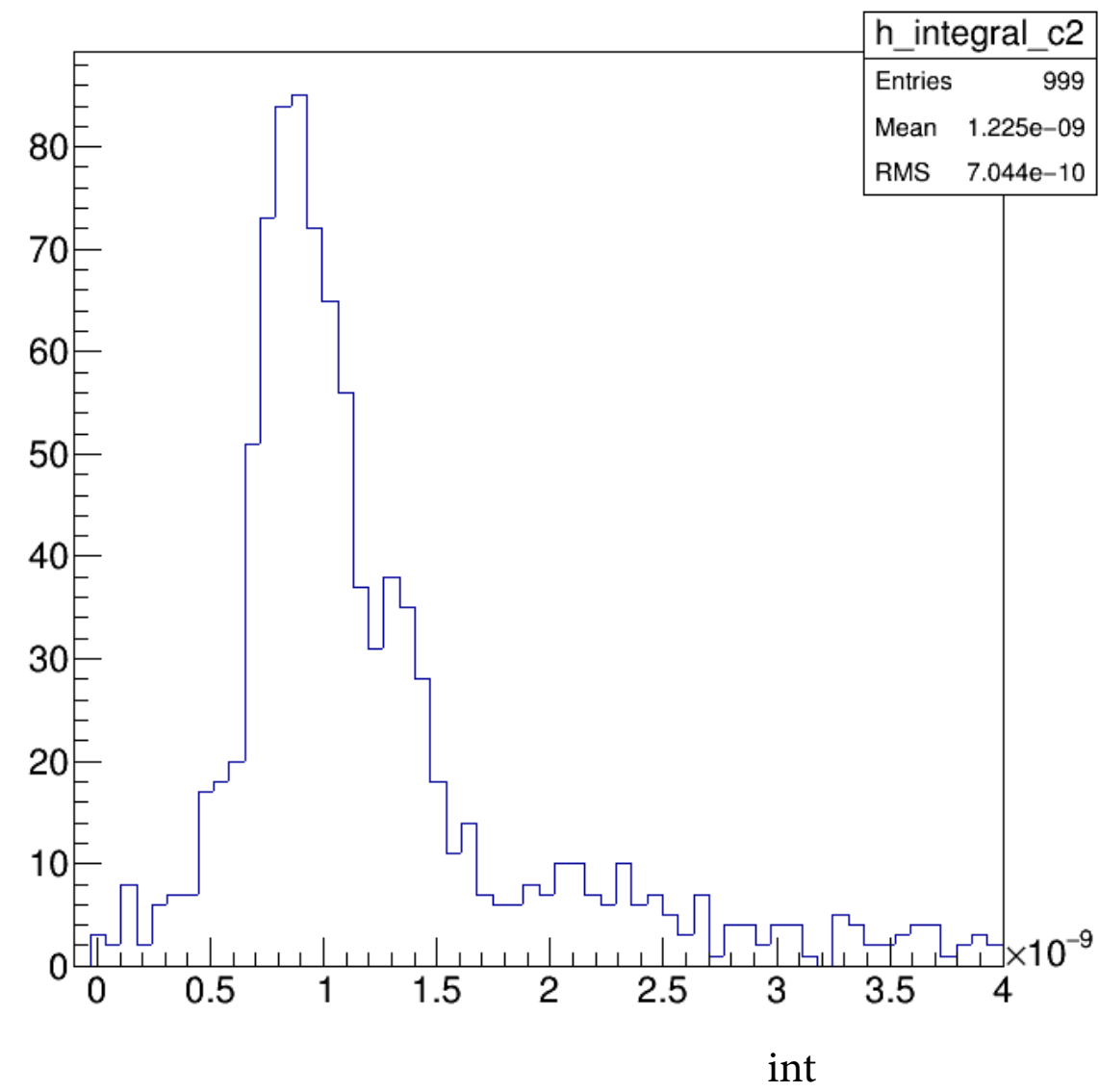


Thickness: 235 μm T:+20°C Vbias:50V Radiation dose: non-irr

3D

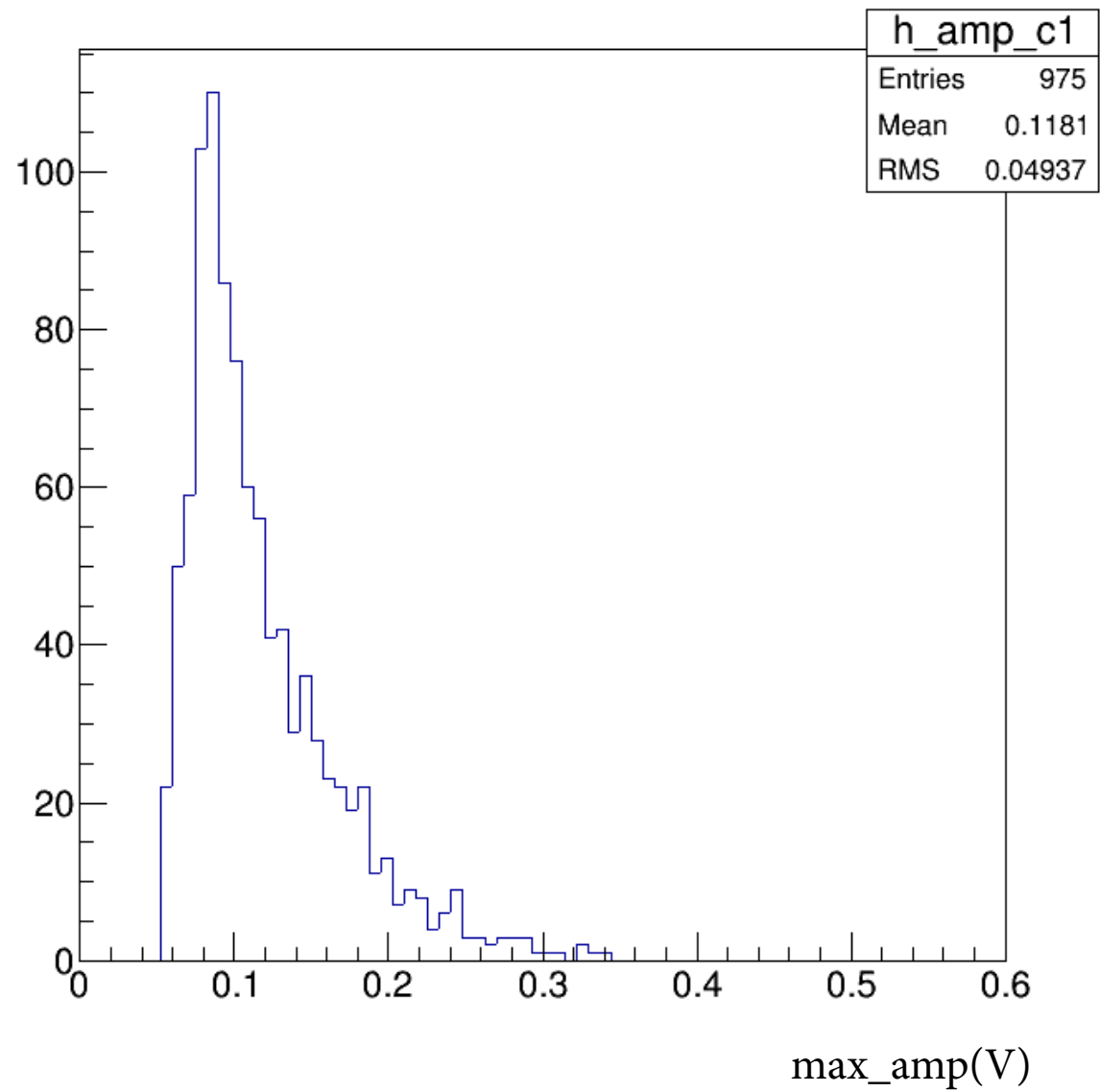


LGAD

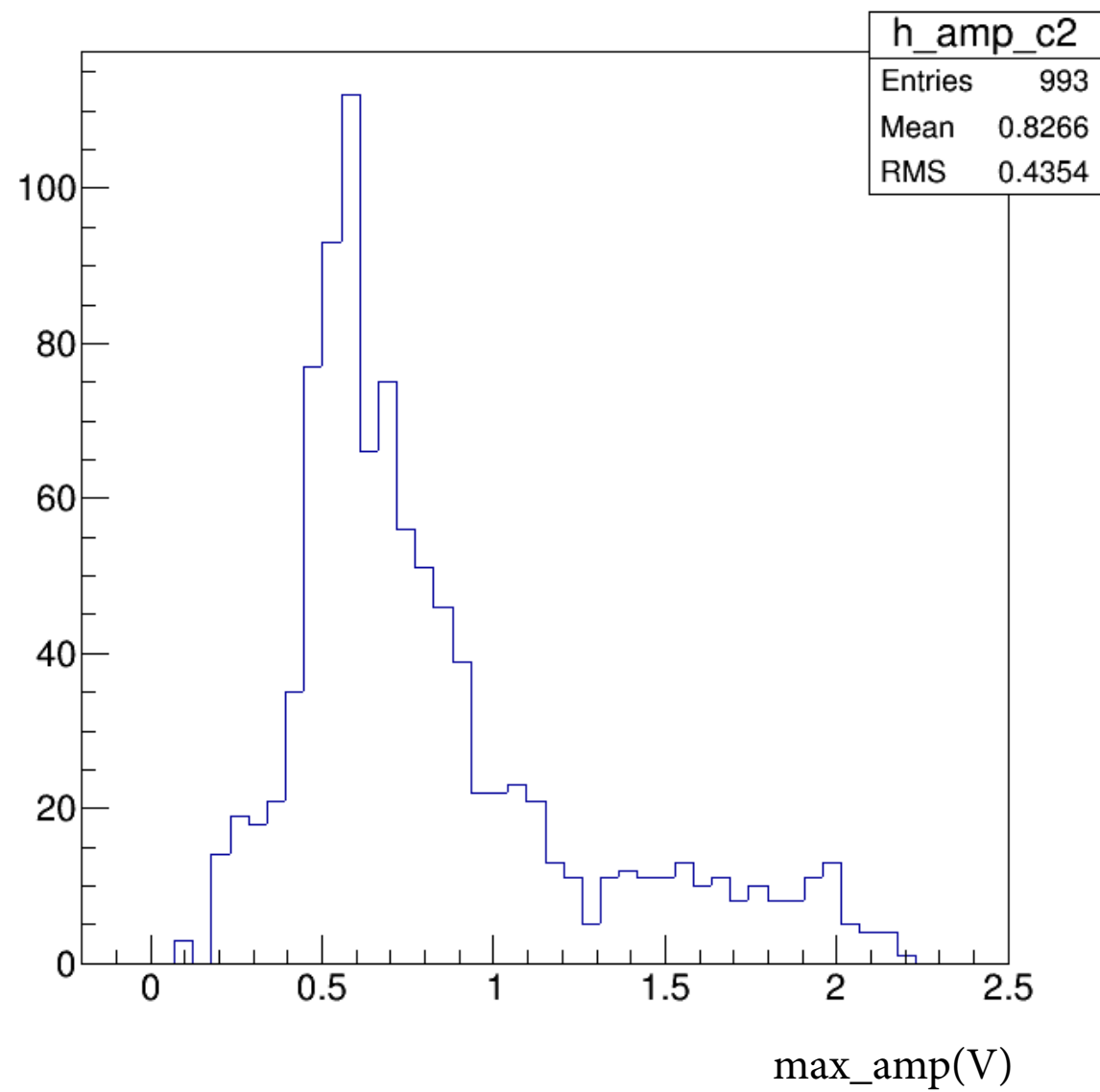


Thickness: 235 μm T:+20°C Vbias:100V Radiation dose: non-irr

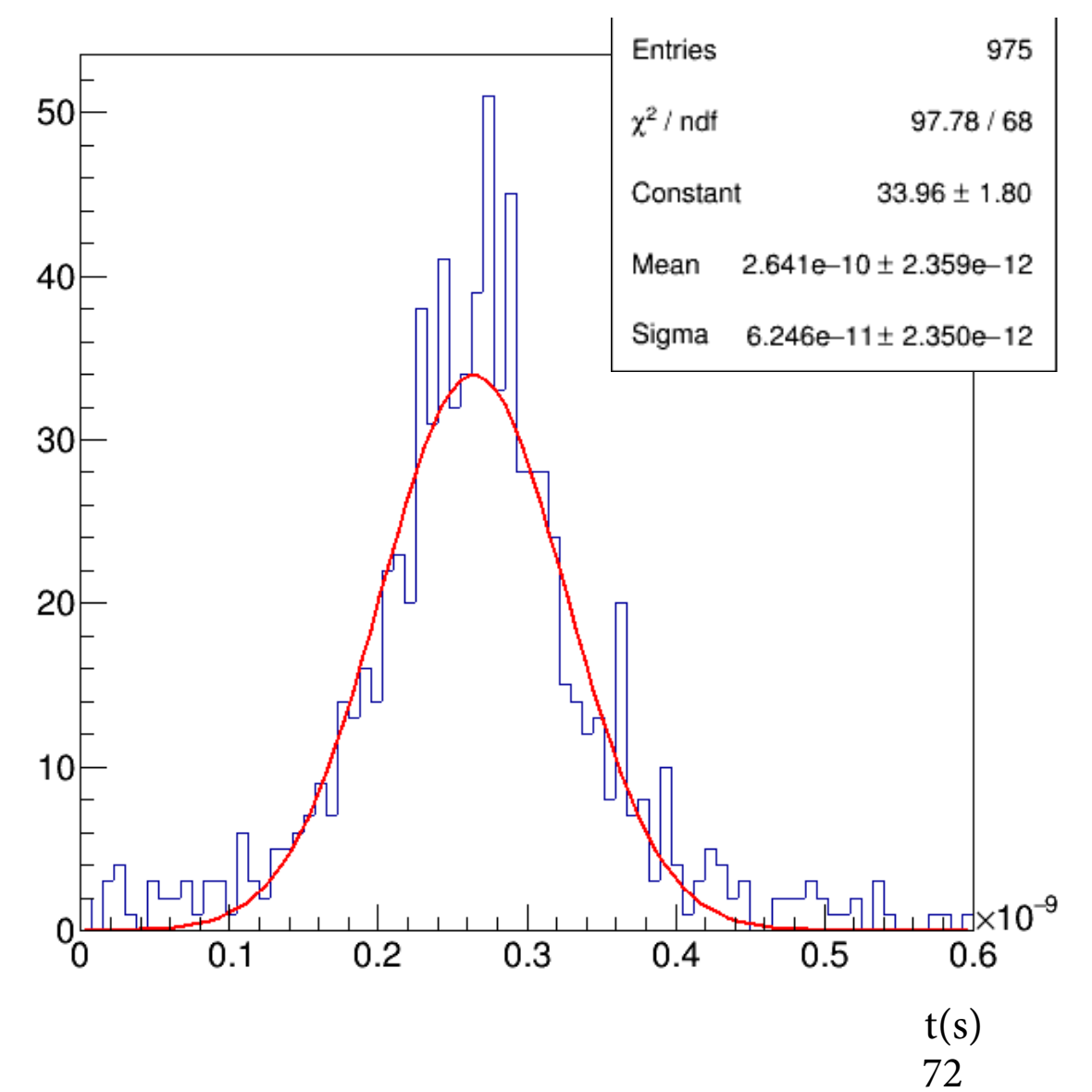
3D



LGAD

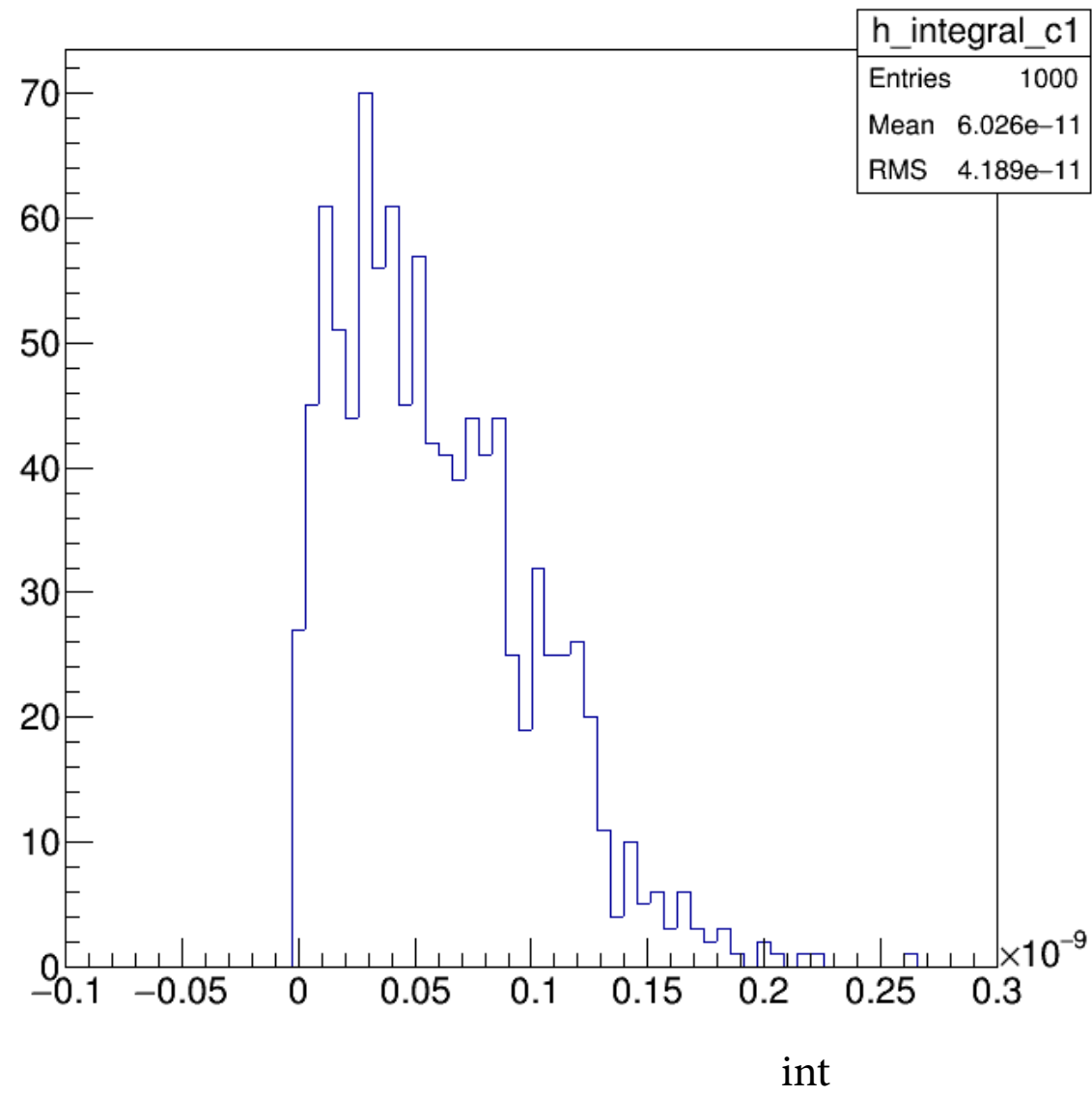


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

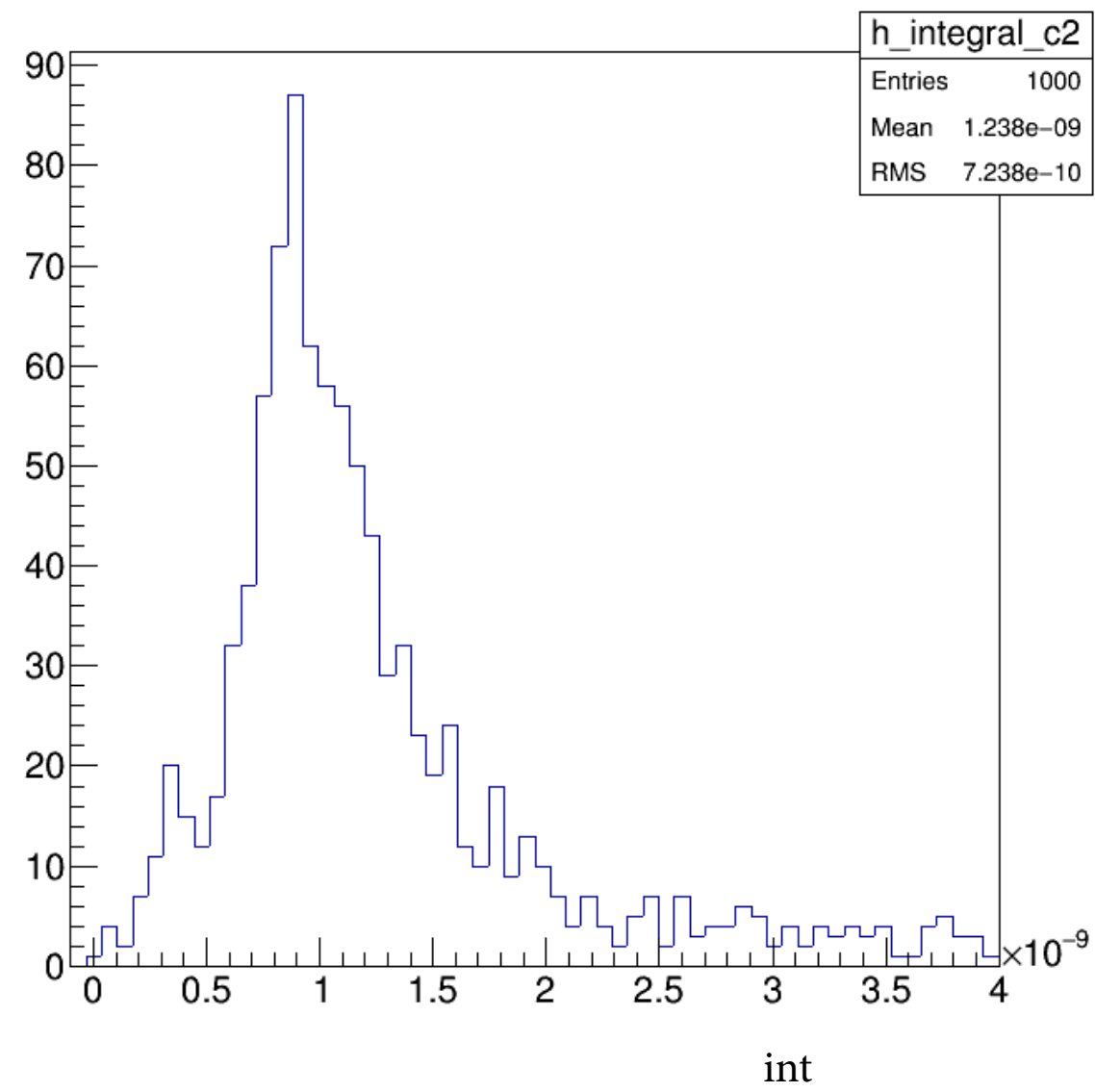


Thickness: 235 μm T:+20°C Vbias:100V Radiation dose: non-irr

3D

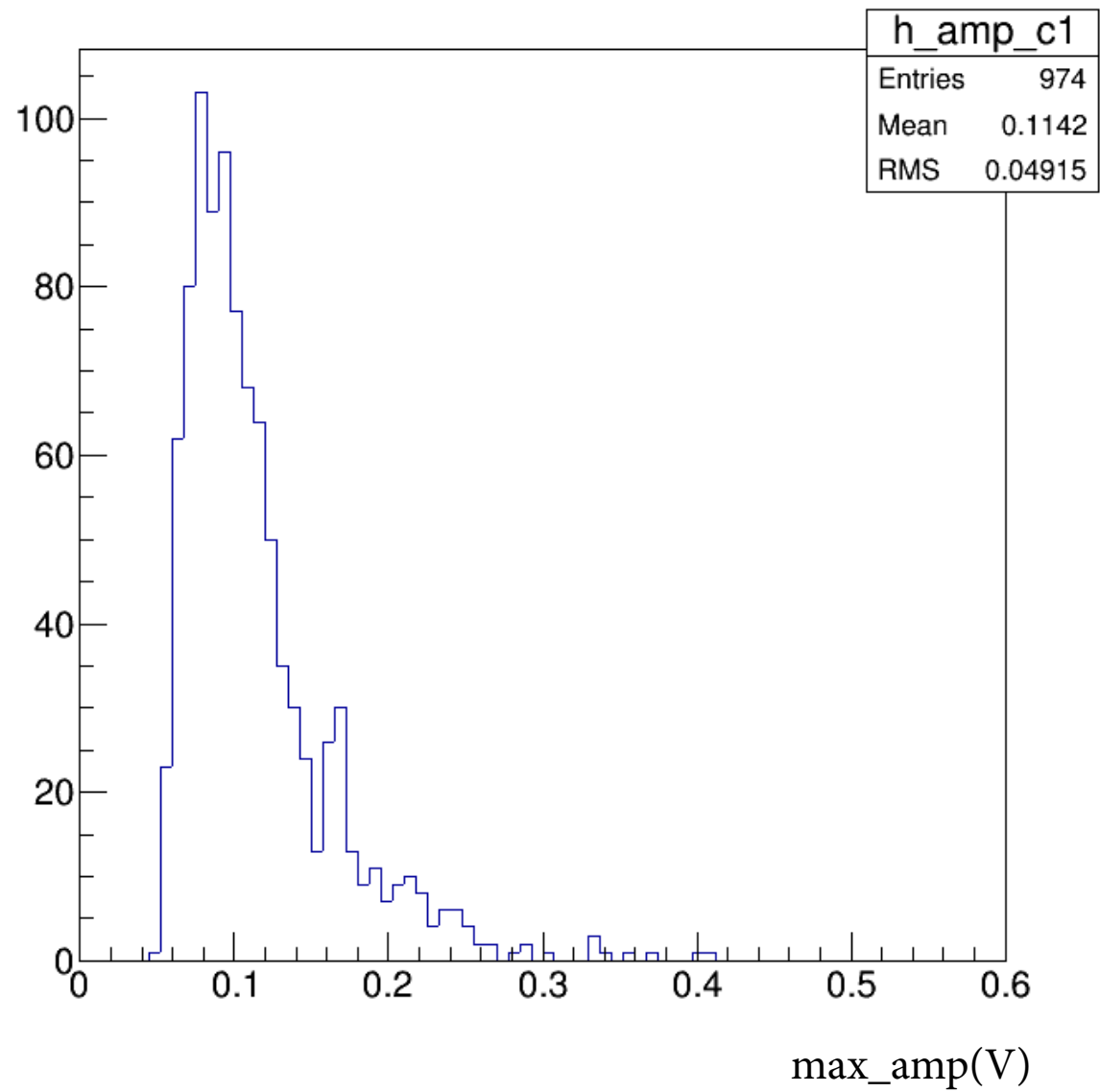


LGAD

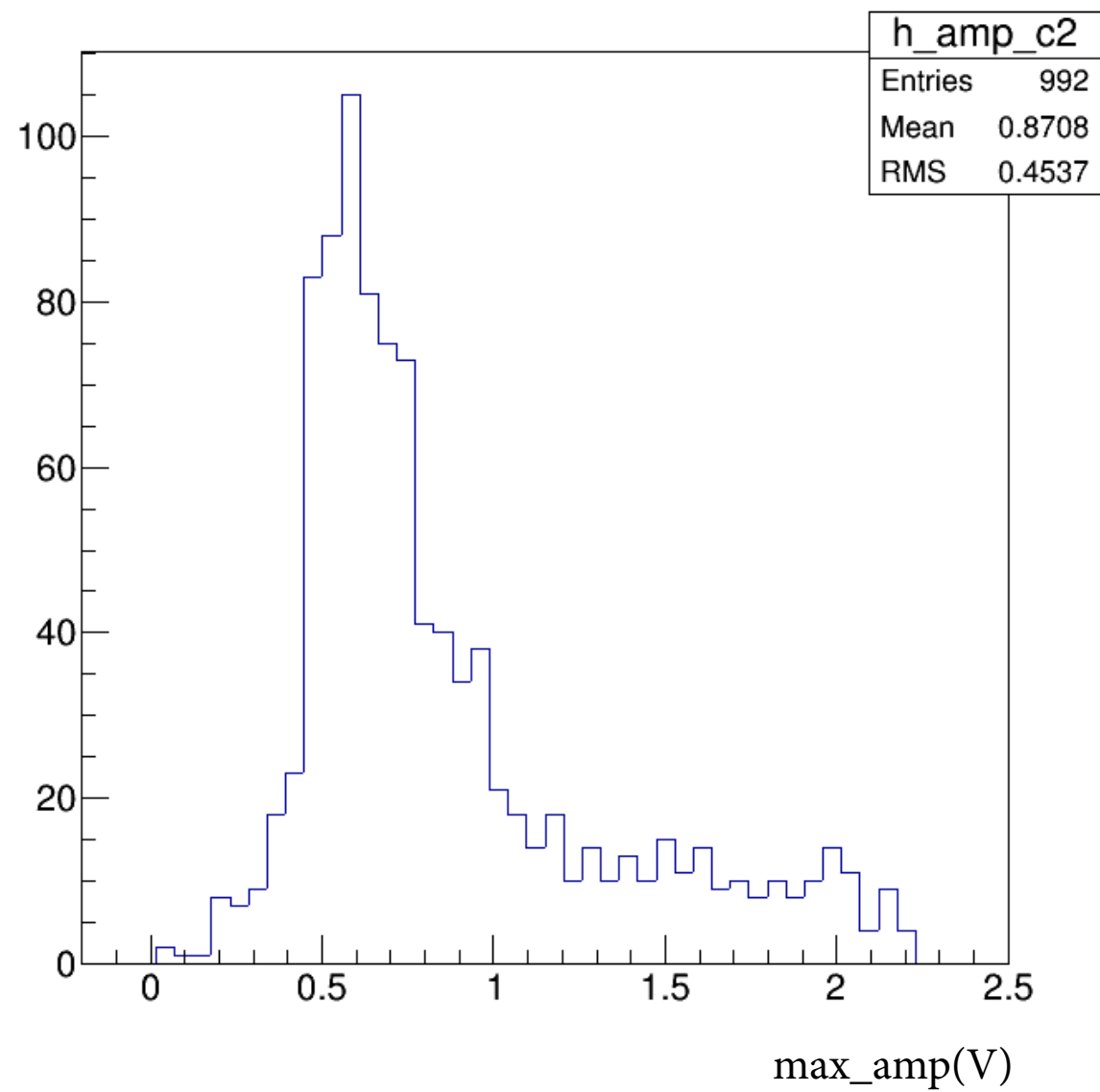


Thickness: 235 μm T:+20°C Vbias:150V Radiation dose: non-irr

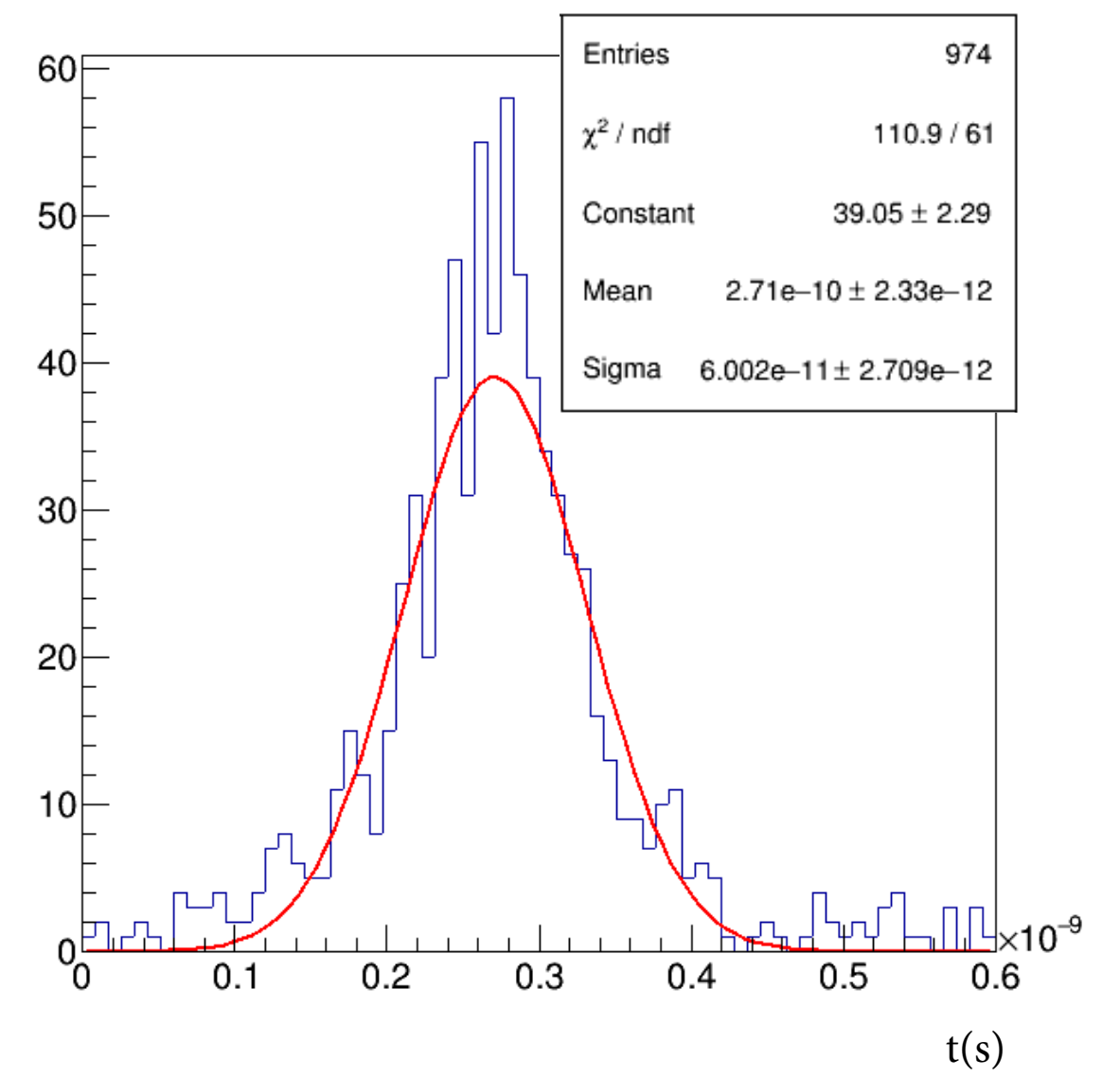
3D



LGAD

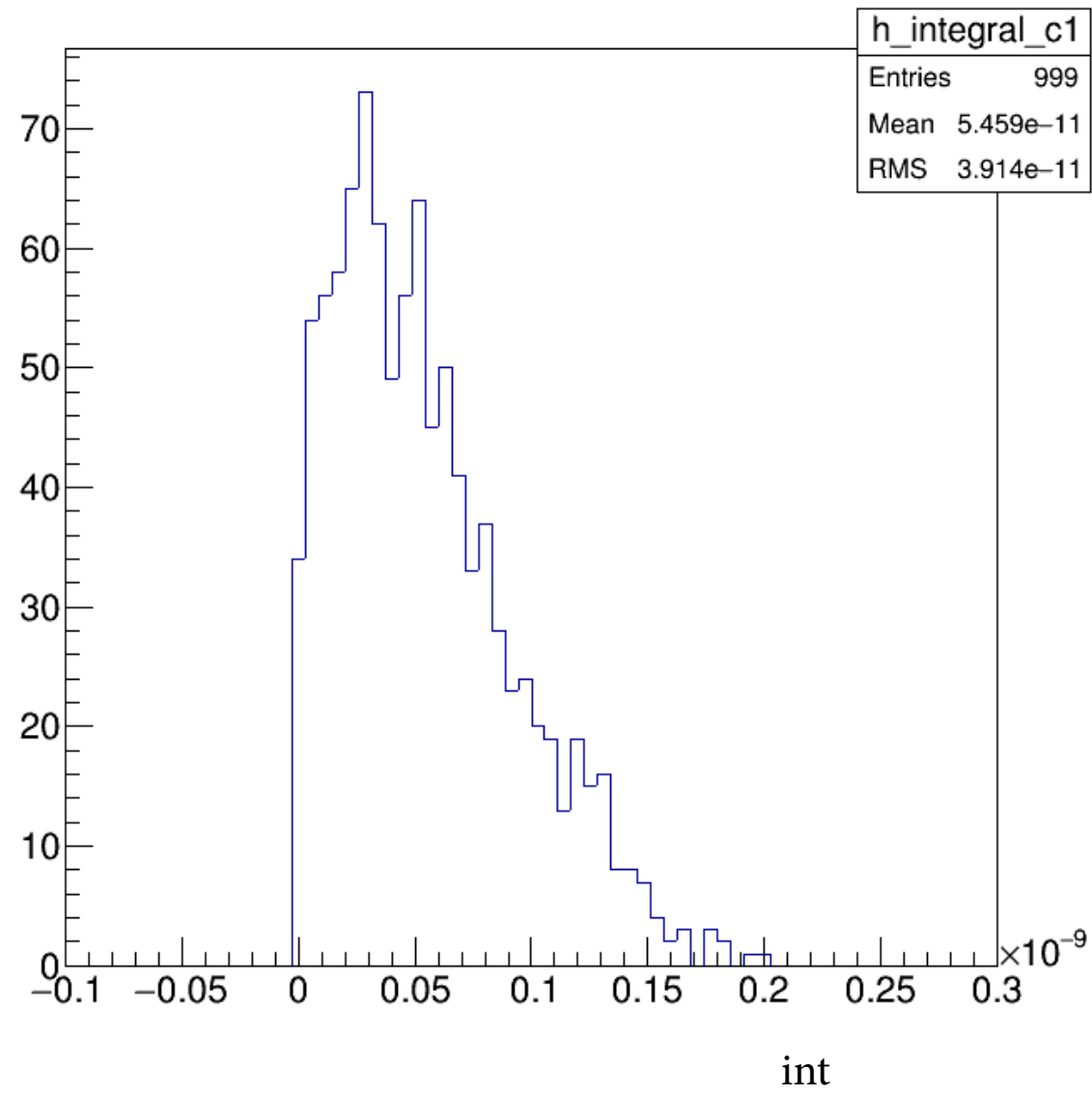


$\Delta t = t_{\text{LGAD}} - t_{\text{3D}}$

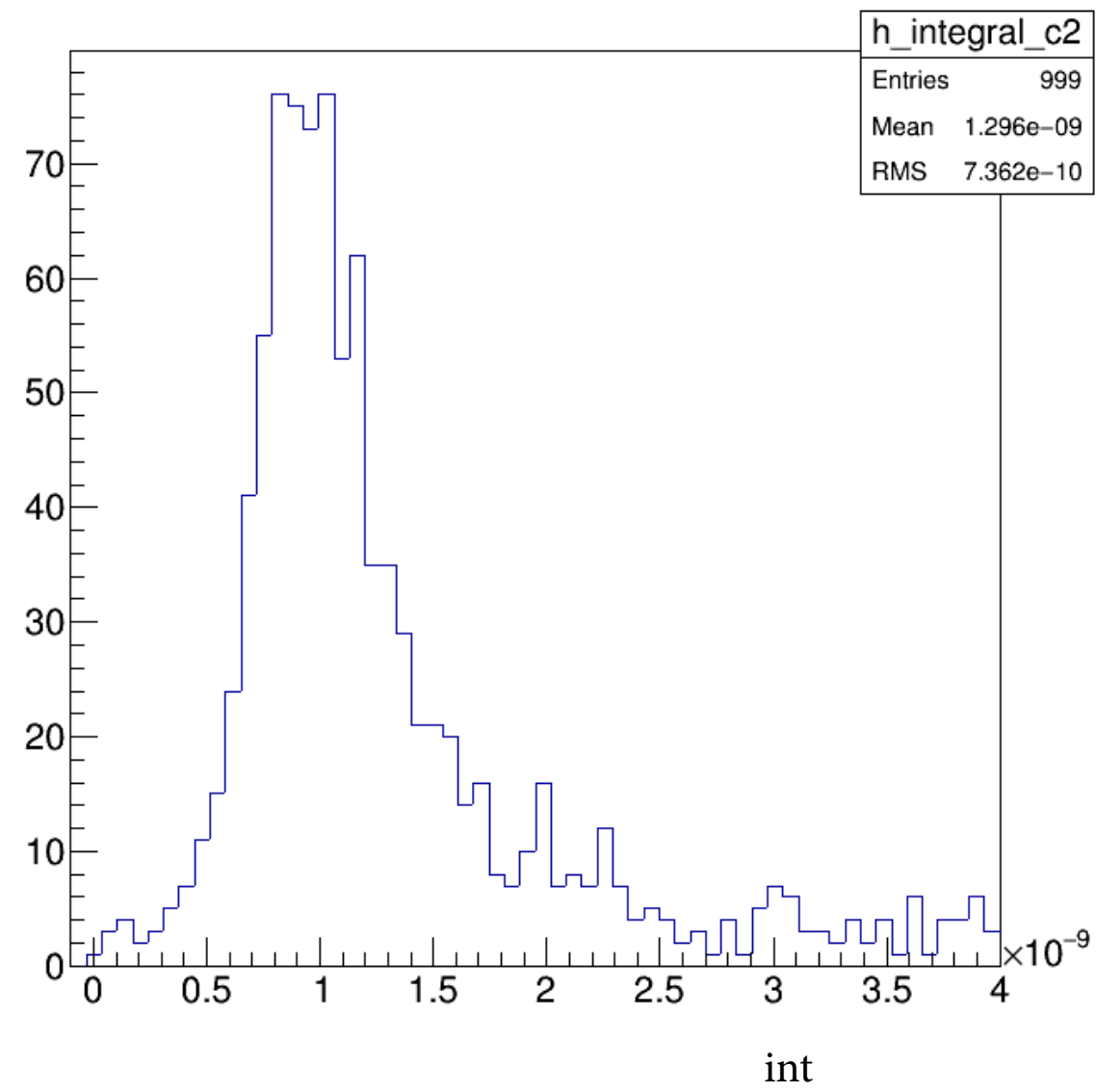


Thickness: 235 μm T:+20°C Vbias:150V Radiation dose: non-irr

3D



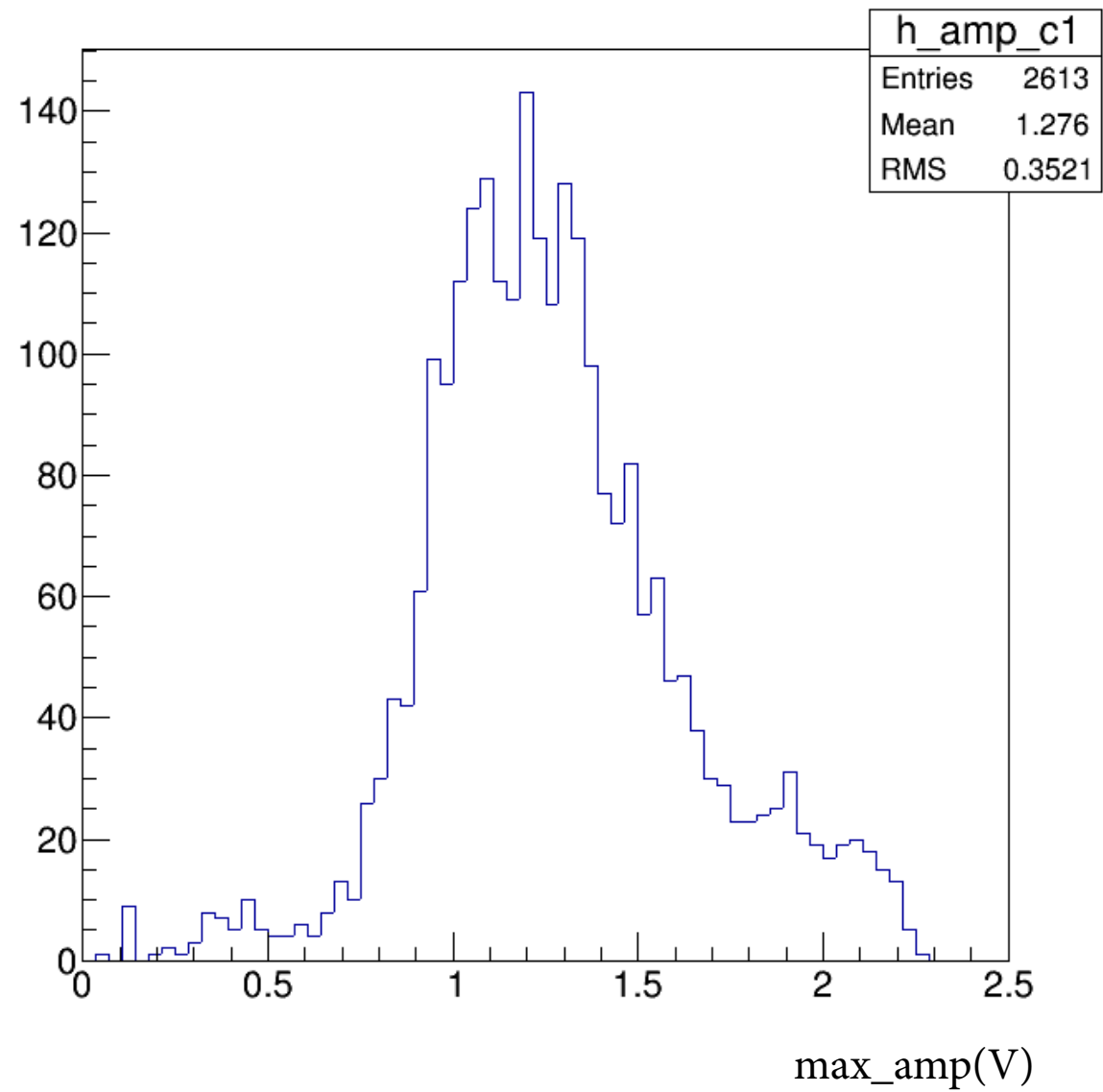
LGAD



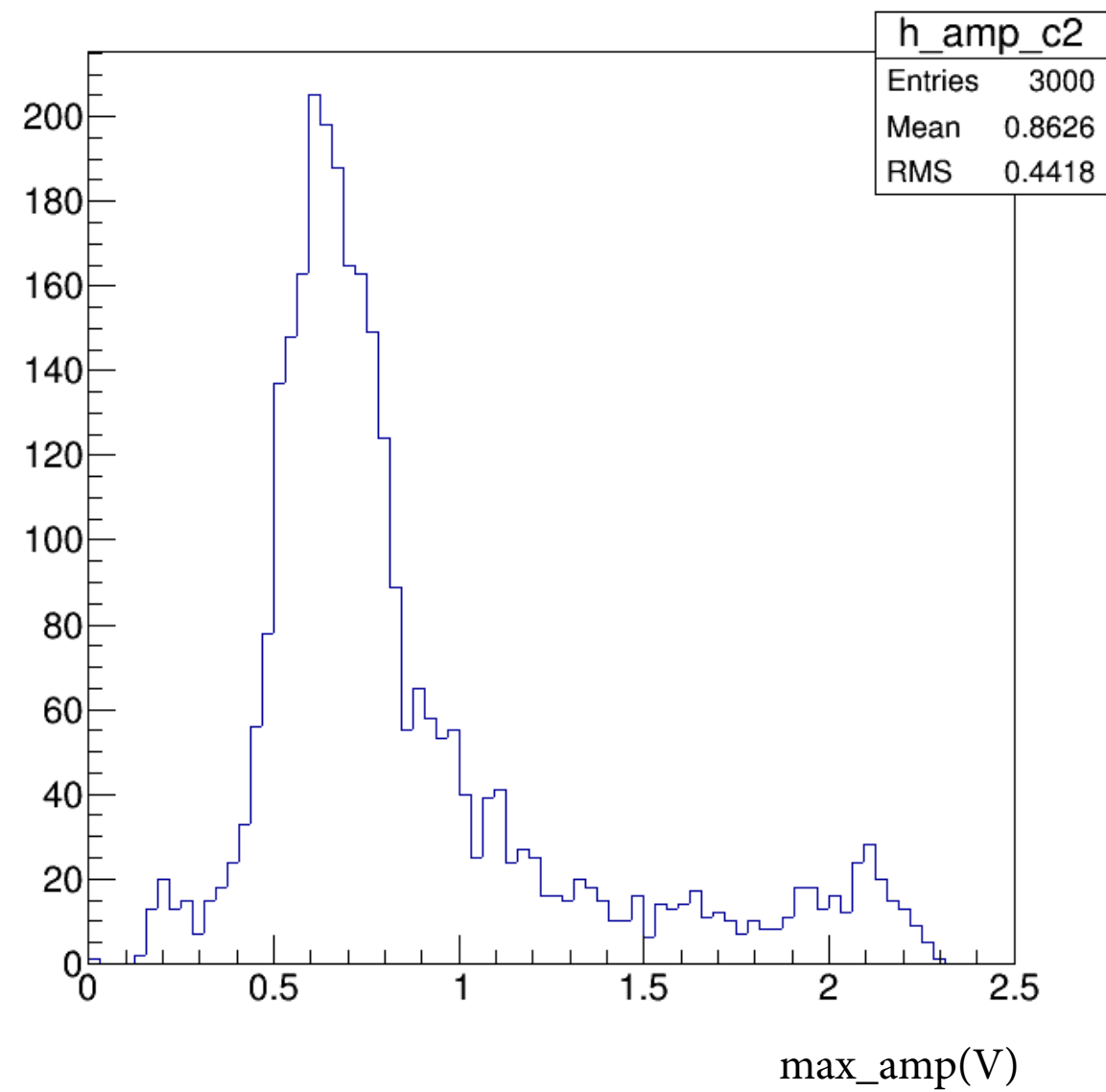
LGAD - LGAD Time resolution

T:-20°C Vbias:400V

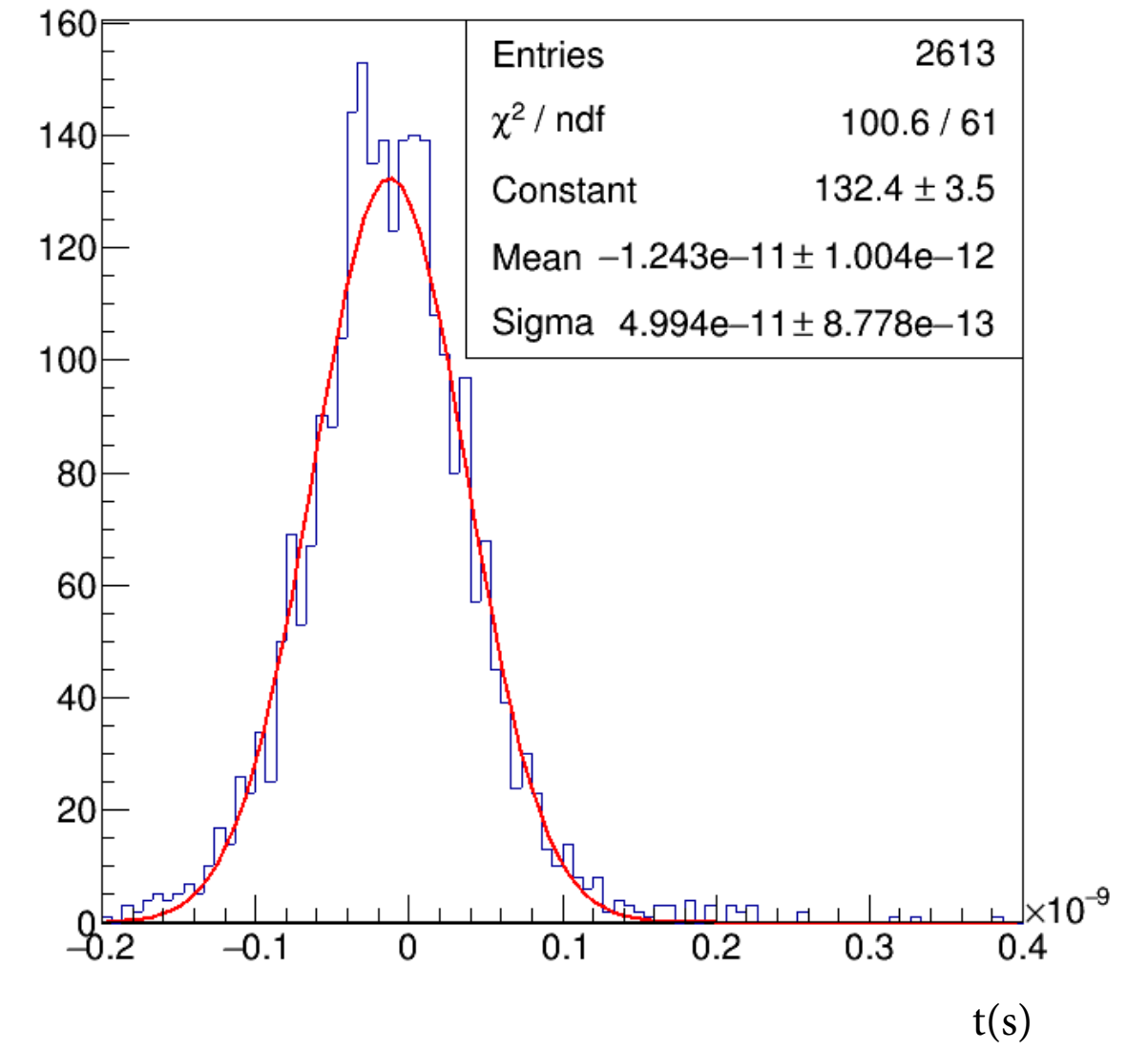
LGAD 1



LGAD 2

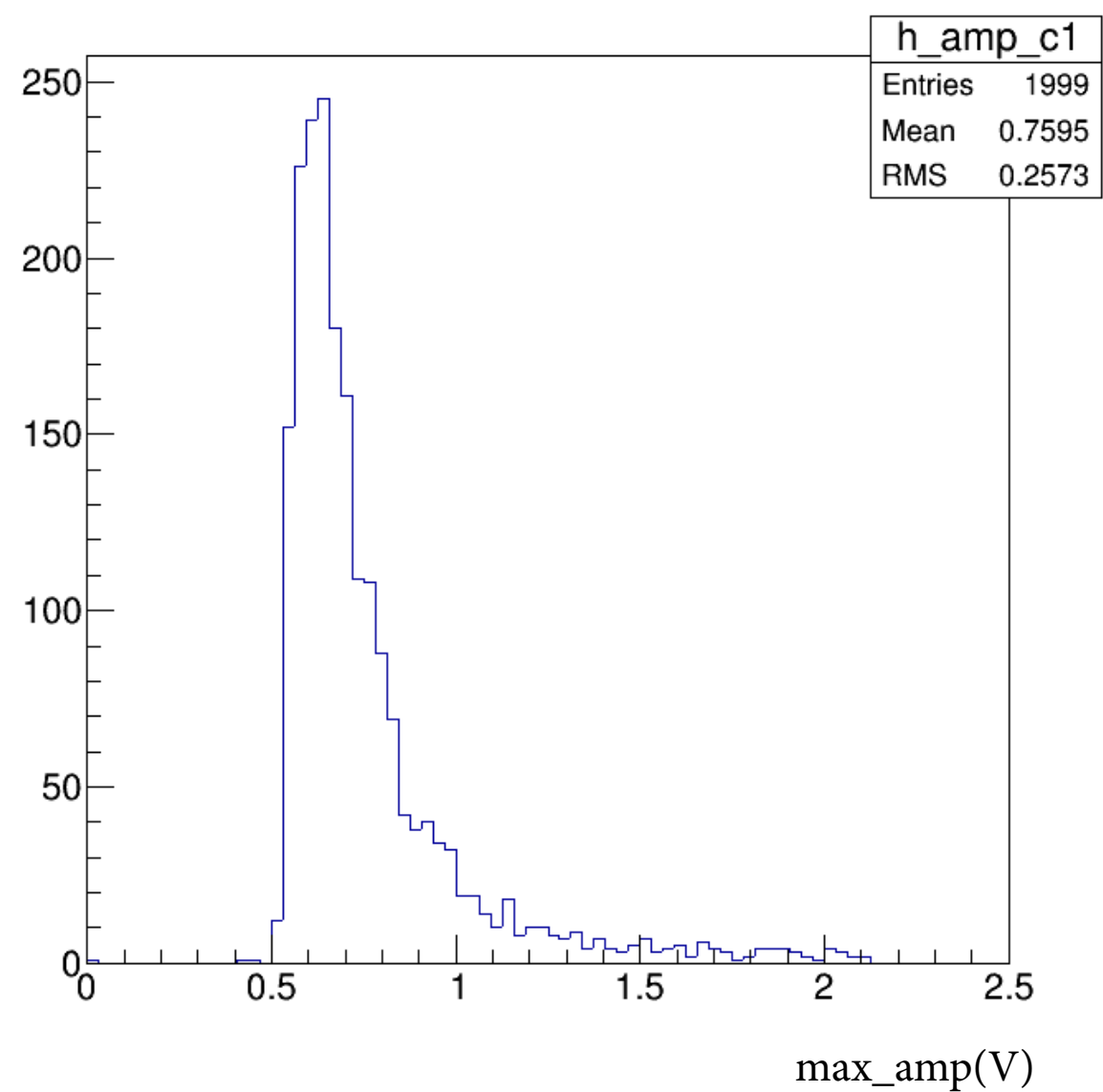


$\Delta t = t_{\text{LGAD2}} - t_{\text{LGAD1}}$

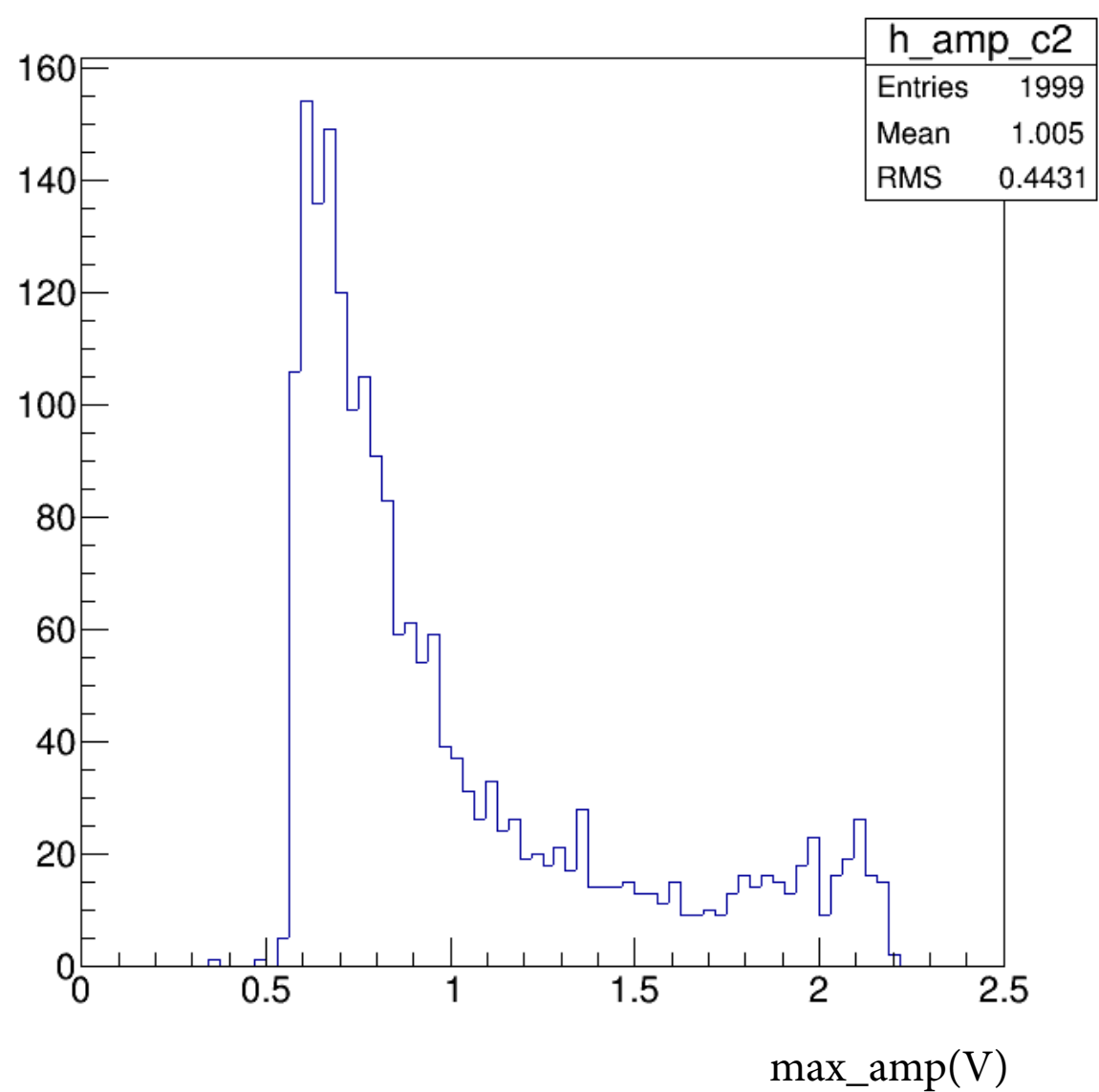


T:+20°C Vbias:400V

LGAD 1



LGAD 2



$\Delta t = t_{\text{LGAD2}} - t_{\text{LGAD1}}$

