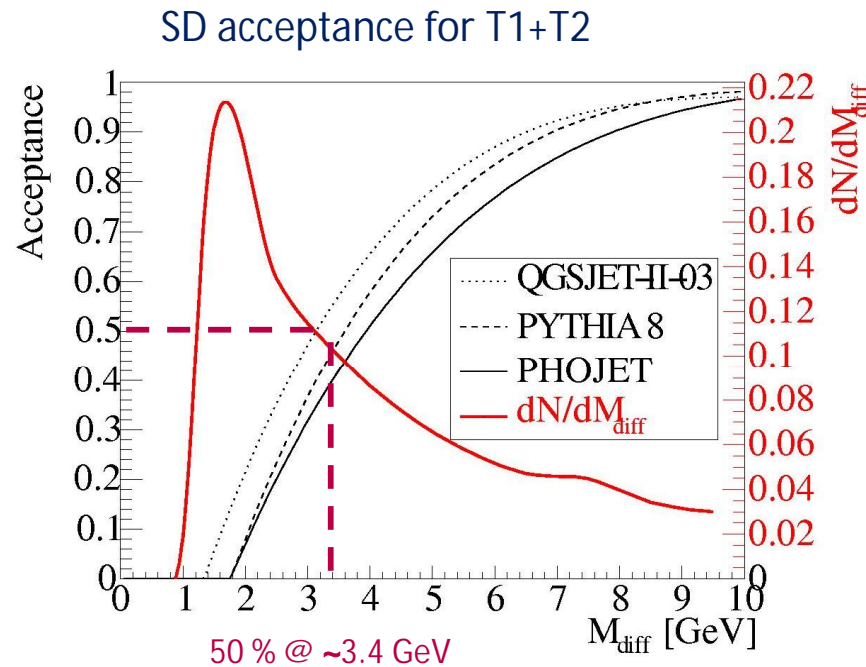


Possible discussion topics:

- Low mass contribution to inelastic cross-section
- Elastic scattering: peripheral or central ?

Low mass single & double diffraction



Low mass diffraction (7 TeV):

$$S_{\text{inelastic}, |\eta| > 6.5} =$$

$$\sigma_{\text{total}} - \sigma_{\text{elastic}} - \sigma_{\text{inelastic}, |\eta| < 6.5} = 2.62 \pm 2.17 \text{ mb}$$



$$S_{\text{inelastic}, |h| > 6.5} \text{ £ } 6.3 \text{ mb @ 95 \% CL}$$

EPL 101 (2013) 21003

Part of physics motivation for FSC (CMS), Herschel (Lhcb) & AOD (Alice)

Low mass diffraction correct in MCs?

