



# 4th FLUKA Advanced Course and Workshop

## Monday 09 May 2016

### User workshop: monday (15:00-17:00)

time	[id] title	presenter
15:00	[5] FLUKA Simulations at the ISIS Facility	SMITH, Hayley
15:30	[7] Status of the FAIR pbar target	HELMECKE, Manuela
16:00	[6] Comparisons of Prompt Radiation Fields and Material Activations Induced by Four Accelerators in Taiwan	LAI, Bo-Lun
16:30	[8] Simulation of the FERMI electron beam dump	FROEHLICH, Lars

# Tuesday 10 May 2016

## User workshop: tuesday (15:30-16:30)

time	[id] title	presenter
15:30	[15] Simulation of Bremsstrahlung spectra in general targets and its application to a model of a laser-driven irradiation source	HERNANDEZ, Guillermo
16:00	[14] Code intercomparison and benchmark for muon fluence and absorbed dose induced by an 18 GeV electron beam after massive iron shielding	MUELLER, Stefan E.

# Wednesday 11 May 2016

## User workshop: Wednesday (14:30-16:00)

time	[id] title	presenter
14:30	[21] Monte Carlo simulation of the 60Co Calliope irradiation facility with FLUKA	FIORE, Salvatore
15:00	[22] Simulation of a high sensitivity neutron detector	SIMING, Guo
15:30	[23] FLUKA simulations of the radiation environment at the CMS detector at the LHC	GUTHOFF, Moritz

# Thursday 12 May 2016

## User workshop: Thursday (14:30-16:30)

time	[id] title	presenter
14:30	[28] Parallelization of Fluka simulations in hadrotherapy	BASILE, Emilia
15:00	[29] FLUKA dose distribution simulations for TULIP, TUrning LInac for Protontherapy	CUCCAGNA, Caterina
15:30	[31] Shielding design for the electron tunning beam Dump	NOZAR, Mina
16:00	[30] Accurate Monte Carlo modeling of biomedical cyclotrons: optimization of FLUKA physics and transport parameters for dosimetry, shielding and activation calculations	INFANTINO, Angelo