

Introduction and goals

ENUBET/nuSTORM joint session at nuFACT '21

nuSTORM-ENUBET joint session nufact 9 Sept 2021

9.00-10.45 -> 1h45' = 105 min - 15 (break) = 90'
15'+5'

work in progress...

- **09.00-09.25** ENUBET goal physics+lept reco+nu det for ENU-nuSTORM (F. Pupilli)
- **10.30-10.45** nuSTORM physics reach, exotics... (M. Hostert)
- **09.20-09.35** ENUBET detector R&D (F. Iacob)
- **09.40-09.55** ENUBET beamline development (M.Pari, E.Parozzi)
- Meson production and capture for ENUBET and nuSTORM (J. Pasternak)
- **10.00-10.15** ENUBET fluxes, systematics reduction (A. Branca)
- **11.10-11.25** nuSTORM fluxes (Kyberd)
- **11.30-11.45** nuSTORM-ENUBET possible layouts at CERN, M. Calviani? Rui Franqueira Ximenes?)

Initial proposal
... for discussion

**Further discussion in/after Andrea's
presentation**

Meeting schedule established

- **Next meetings:**
 - 28Jun21
 - 09Aug21
 - **20Sep21**
- **Progress in nuSIM development**
 - **See PK**
- **This meeting:**
 - **Review nuSIM progress**
 - **Continue discussion of target synergies w\ ENUBET and demo**
 - **Begin discussion of SPS, muon, and neutrino timing issues**
 - **Begin discussion of neutrino detection**

nuSTORM – general meeting

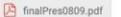
Monday 9 Aug 2021, 13:30 → 18:00 Europe/London

Kenneth Richard Long (Imperial College (GB))

Description Meeting to discuss developments in the simulation of nuSTORM and the next steps in its development.

The agenda is being developed. Please feel free to volunteer a talk to K.Long@imperial.ac.uk.

The meeting will be by ZOOM at the URL: <https://cern.zoom.us/j/6114828782?pwd=VUdlekhQSINZdI9Hem03VTFabGSIZz09>

13:30	→ 13:40	Introduction Speaker: Kenneth Richard Long (Imperial College (GB))	🕒 10m	🗑️
13:40	→ 14:00	Neutrino interactions using GENIE Speaker: Steven Boyd (University of Warwick) 	🕒 20m	🗑️
14:00	→ 14:20	Non-standard interactions and BSM searches at nuSTORM Speaker: Mathews Hostert (University of Minnesota)	🕒 20m	🗑️
14:20	→ 14:40	nuSIM 4 nuSTORM Speaker: Paul Kyberd (Brunel University (GB))	🕒 20m	🗑️
14:40	→ 15:00	Simulation beyond the nuSTORM production straight Speaker: Mr Omar Ibra Nazim (Dhakar) 	🕒 20m	🗑️
15:00	→ 15:20	Simulation of the nuSTORM detector Speaker: Mr Hitoshi Baba (Tokyo) 	🕒 20m	🗑️
15:20	→ 15:35	Tea/coffee	🕒 15m	
15:35	→ 15:55	Initial consideration of beam from the PS vs beam from SPS	🕒 20m	🗑️
15:55	→ 16:15	PS and SPS timing considerations Speaker: Hannes Bartosik (CERN)	🕒 20m	🗑️
16:15	→ 16:35	Update on demonstrator considerations in context of MUC Speaker: Rui Franqueira Ximenes (CERN)	🕒 20m	🗑️
16:35	→ 16:55	Muon cooling update Speaker: Chris Rogers (STFC) 	🕒 20m	🗑️
16:55	→ 17:15	ENUBET update Speaker: Andrea Longhin (Universita e INFN, Padova (IT))	🕒 20m	🗑️
17:15	→ 17:35	Possible synergies with US high-intensity muon programme Speaker: Bertrand Echenard (California Institute of Technology) 	🕒 20m	🗑️