

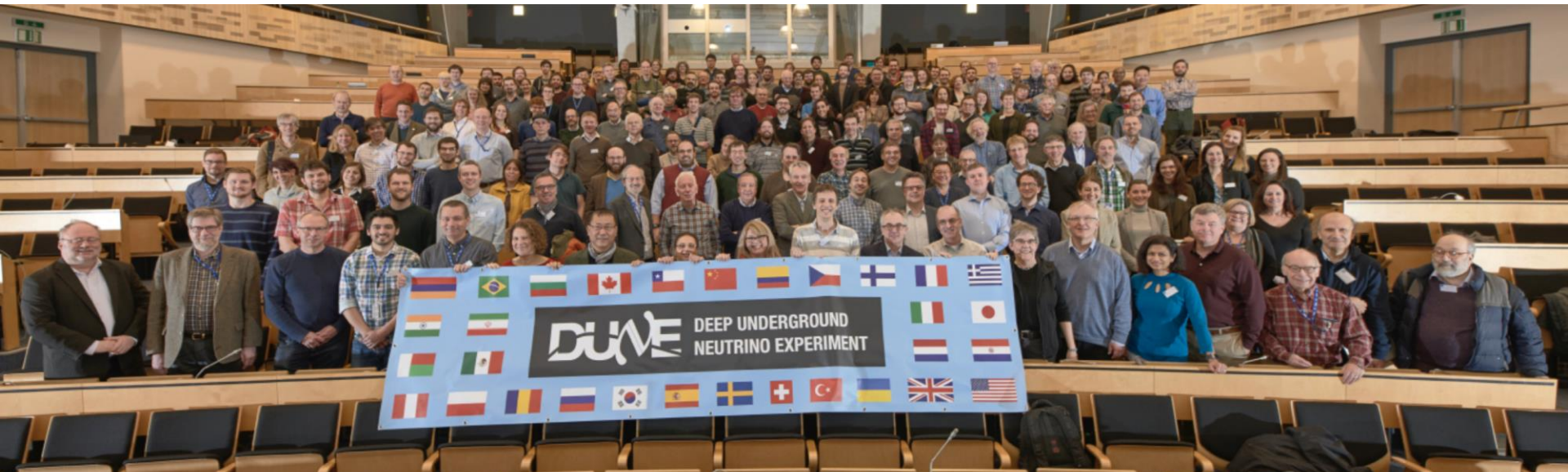
# EP-Nu Meeting

February 2018

# DUNE meeting @ CERN

~ 275 participants

- The organization was well appreciated
- So they asked us to **do it again next year** (popularity has its penalties)
- Likely 28-31 January (+1 day?): being discussed



# Varia

- Summer students: how many projects we have now in total related to the neutrino?
  - I counted 7 so far
  - Note that if your project does not get accepted I can still find a Non-Member state student for you afterwards...
- Conferences. Check the conferences, eg Neutrino 2018, ICHEP( limited participation), NuFact, NuInt, ...if you like to go to one. Best with a poster or talk. And talk to me.

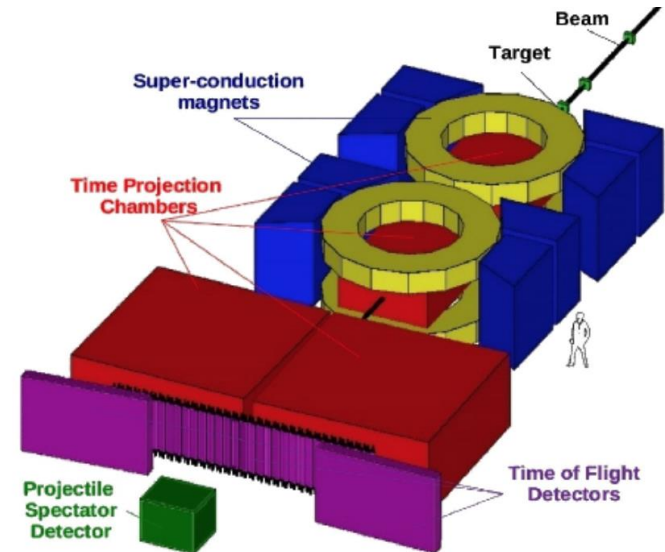
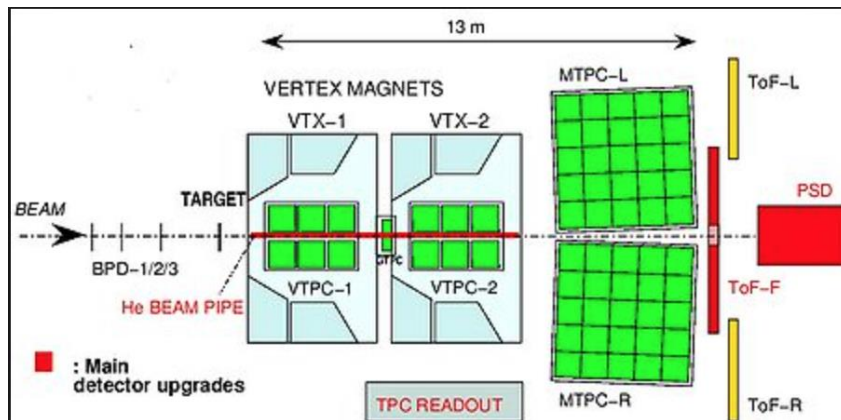
# DUNE Spokesperson

- The ballot is out for voting the co-spokesperson in DUNE for the next 2 years
- Two candidates are standing
  - Marzio Nessi (CERN)
  - Stefan Soldner Rembold (Manchester)
- People more than 1 year a member in DUNE can cast their vote before February 28

# NA61/SHINE



- NA61/SHINE: pp and AA collisions
- Hadron-nucleus interactions for neutrino expts. (mock-up target for T2K/DUNE in future?). Should we participate? (shifts/analysis...)
- Discussion with Eric Zimmerman: Friday 2/2



# Discussion with NA61

- Discussion with E Zimmerman, M. Gazdzicki and A. Aduskiewicz Friday 2/2
- **NA61 would like to invite the CERN group to join in one form or the other the NA61 experiment**
- Obviously this would be only for the Neutrino part not the heavy ion physics part.
- Several possibilities were discussed (see slides): Computing/software, upgrade/operations, physics analysis
- If you have an interest/idea on contribution, let me know and we can have a second round in the discussion
- **No commitment at present but exploring possibilities**
- Request to the CERN SPSC in preparation for the continued running beyond LS2. **We promised to look at that.**

# T2K

- CERN Neutrino group got an official invitation to join the T2K upgrade program Nov 2017 **Being discussed with CERN management**

1 The T2K-ND280 upgrade proposal

2 P. Hamacher-Baumann, L. Koch, T. Radermacher, S. Roth, J. Steinmann

3 *RWTH Aachen University, III. Physikalisches Institut, Aachen, Germany*

4 V. Berardi, M.G. Catanesi, R.A. Intonti, L. Magaletti, E. Radicioni

5 *INFN and Dipartimento Interateneo di Fisica, Bari, Italy*

6 O. Beltramello, S. Bordini, R. de Oliveira, A. De Roeck, R. Guida, D. Mladenov, M. Nessi,

7 F. Pietropaolo, F. Resnati

8 *CERN, Geneva, Switzerland*

9 A. Marino, Y. Nagai, E. D. Zimmerman

10 *University of Colorado at Boulder, Department of Physics, Boulder, Colorado, U.S.A.*

11 C. Bronner, Y. Hayato, M. Ikeda, Y. Kataoka, M. Nakahata, Y. Nakajima, Y. Nishimura, H. Sekiya

12 *University of Tokyo, Institute for Cosmic Ray Research, Kamioka Obs., Kamioka, Japan*

13 S. Fedotov, M. Khabibullin, A. Khotjantsev, A. Kostin, Y. Kudenko, A. Mefodiev, O. Mineev,

14 A. Smirnov, S. Suvorov, N. Yershov

15 *Institute for Nuclear Research of the Russian Academy of Sciences, Moscow, Russia*

16 J. Boix, M. Cavalli-Sforza, C. Jesus, M. Leyton, T. Lux, J. Mundet, F. Sanchez

17 *Institut de Fisica d'Altes Energies (IFAE), The Barcelona Institute of Science and Technology,*

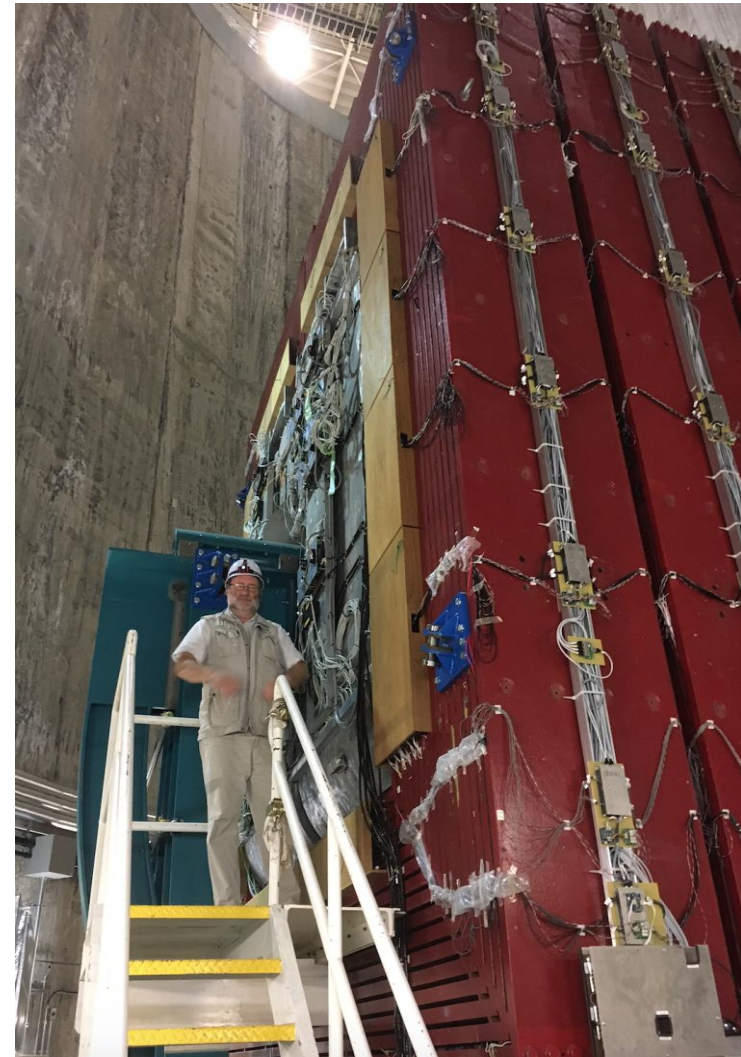
18 *Bellaterra Spain*

19 E. Atkin, P.J. Dunne, P. Jousson, R.P. Litchfield, K.R. Long, W. Ma, T. Nonnenmacher,

20 J. Pasternak, J. Pozinski, A. Sztuc, Y. Uchida, W. Shorrocks, M.O. Wascko, C.V.C. Wret

21 *Imperial College, London, United Kingdom*

CERN-SPSC-2018-001 / SPSC-P-357  
09/01/2018



# T2K

- CERN joined the T2K upgrade since ~ February 1
- Interest in ND280 Upgrade
- No money yet allocated right now for participating in the construction. Participation in R&D, test beam & simulation effort for now
- Of course interested in the physics program
- We will need a discussion soon on how we to optimize participation with EP-nu/the neutrino platform..
- Some feedback from Davide in the next presentation