



**European Research Council**  
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**Università di Roma Tor Vergata**  
Dipartimento di Fisica



## **FIRST WORKSHOP NEWTURB@PRACE**

**Effect of Helicity and Rotation in Turbulent flows: Eulerian and Lagrangian statistics**

**ROME, DEPT. PHYSICS. TOR VERGATA UNIVERSITY**

**SEPTEMBER 11, 2014**

**SALA STRUTTURA MATERIA**

### **AGENDA**

**PARTICIPANTS: BIFERALE, MAZZITELLI, MUSACCHIO, LANOTTE, BONACCORSO (+ TOSCHI PERLEKAR SKYPE)**

**H 9.30-10.00: PRESENTATION (BIFERALE)**

**H 10.00-12.30**

**1. REPORT ON EXACT INTEGRATION (MAZZITELLI+MUSACCHIO): WHERE WE ARE? DOES IT WORTH? IS IT TOO MUCH MEMORY ALLOCATION? CAN WE FIX A TEST TO BENCHMARK INTEGRATION OF PARTICLES WITH ROTATION?**

**2. REPORT ON OU -FORCING (BIFERALE+PERLEKAR): EXPLANATION OF THE IMPLEMENTATION DONE SO FAR.**

**12.30-13.30 LUNCH BREAK**

**13.30-15.30**

**3. REPORT ON HDF5 FOR LAGRANGIAN DATA (TOSCHI+ BONACCORSO)**

**4. REPORT ON THE FERMI INFRASTRUCTURE (BONACCORSO)**

**16.30:18.30 PLANNING NEXT STEPS**

**5. IMPLEMENTATION OF CENTRIFUGAL FORCES AND CORIOLIS FOR INERTIAL PARTICLES**

**6. IMPLEMENTATION OF INJECTION/REMOVAL OF INERTIAL PARTICLES**

**7. PERSONAL COMMITMENTS/TIME SCHEDULE**

**8. NEXT STEPS**

**H 19.00 CLOSING (BIFERALE)**

**ERC Advanced Grant (N. 339032) "NewTURB"**  
**(P.I. Prof. Luca Biferale)**

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