# AF6 September Workshop

# Wednesday, 23 September 2020

**Computation & Control** (12:00 - 13:00)

  **-Conveners: Pietro Musumeci**

| time | [id] title | presenter |
|------|-----------|-----------|
| 12:00 | [28] 218: Computational modeling needs of plasma-based accelerators towards future colliders; 82: Consortium for PIC Software in Accelerator Science | Prof. MORI, Warren |
| 12:10 | [29] 99: Modeling of structured plasmas for next generation accelerators | COOK, Nathan |
| 12:15 | [30] 165: Machine Learning Meets the Challenges of HEP Research and Development | O'SHEA, Brendan |
| 12:20 | [31] 197: Adaptive control systems, precision RF and machine learning for accelerators; 208: High precision RF control for next generation accelerator; 75 Machine learning and surrogate models for simulation-based optimization of accelerator design | |
| 12:25 | [32] 131: Comprehensive Single-shot Diagnostics for Quantifying LWFA Beam Quality | LUMPKIN, Alex |
| 12:30 | [34] Discussion | |