

Channeling 2024

CHARGED & NEUTRAL PARTICLES CHANNELING PHENOMENA



8 - 13 September 2024
Riccione (Rimini) Italy



<https://www.corallohotel.com>

Chairs

S.B. DABAGOV, L. PALUMBO, F. ZIMMERMANN

Secretaries

F. Casarin, L. Natoli

General Topics

- coherent scattering of relativistic charged particles in strong fields;
- crystal channeling, volume capture/reflection of hadron & lepton beams;
- energetic ion interactions processes;
- electromagnetic radiation by charged particles in periodic structures;
- channeling of radiations in capillary systems;
- novel techniques for beams handling & acceleration;
- advanced x-ray & neutron optics;
- applications based on channeling phenomena

Satellite Workshops

- CHANNELING APPLICATIONS FOR FCC AND OTHER FUTURE ACCELERATORS
- LASER AND PARTICLE GUIDING IN PLASMAS AND RELATED PHENOMENA

Advisory Board

X. Artru, H. Backe, S. Bertolucci, G. Cavoto, L. Cifarelli, R. Carrigan,
I. Endo, E. Gschwendtner, V. Guidi, F. Ferroni, N. Kalashnikov,
F. Komarov, A. Mkrtchyan, K. Oide, A. Pathak, A. Potylitsyn,
W. Scandale, V. Shiltsev, M. Strikhanov, E. Tsyganov, U. Uggerhoj,
J. Urakawa, J. Wei, H. Wienands, P. Wobrauschek, M. Zanetti

Programme Committee

L. Bandiera, R. Chehab, S. Gilardoni, D. Giulietti, A. Ghigo, V. Kocharyan,
T. Lefevre, G. Mazzitelli, S. Redaelli, L. Serafini, A. Solovoyov, A. Tishchenko,
L. Torrisi, K. Tsuji, A. Variola, W. Wagner

Organizing Committee

C. Curceanu, D. Hampai, G. Delle Monache, A. Marcelli, L. Marchitto,
L. Porcelli



Web: <http://www.lnf.infn.it/conference/channeling2024>

E-mail: channeling2024@lists.lnf.infn.it