

12TH ITER INTERNATIONAL SCHOOL

THE IMPACT AND CONSEQUENCES OF ENERGETIC PARTICLES IN FUSION PLASMAS



26-30, JUNE 2023
AIX EN PROVENCE

TOPICS AND LECTURERS

For further informations and registration
iis2023.sciencesconf.org

- | | | | |
|---|---------------------|---|---------------------|
| • Introduction to energetic particle physics | William Heidbrink | • Experimental observations of energetic particle transport and losses | Eric D. Fredrickson |
| • Sources of energetic particles: theory and experiment | Lars-Göran Eriksson | • Diagnosing the losses of energetic particles and causes | Manuel Garcia-Munoz |
| • Modelling of energetic particle sources | John Wright | • Energetic particle instabilities: nonlinear effects and consequences | Maxime Lesur |
| • Diagnostics associated with redistribution of confined energetic particles and the causes | Michael Van Zeeland | • Control of energetic particle instabilities | Rémi Dumont |
| • Energetic particle instabilities: linear physics near threshold | Sergei Sharapov | • Modelling of transport and losses of energetic particles due to low-frequency modes and 3D fields | Antti Snicker |
| • Gyrokinetic and hybrid modelling of energetic particle transport | Yasushi Todo | • Physics and observations of runaway electrons | Robert Granetz |
| • Reduced models of energetic particle transport for scenario modelling | Mario Podestà | • Modelling of runaway electrons | Tünde Fülöp |



Aix-Marseille
université
Initiative d'excellence



IAEA
International Atomic Energy Agency



Institut
Sciences de la Fusion et
de l'Instrumentation en
Environnements Nucléaires
Aix-Marseille Université



china eu india japan korea russia usa