

Исследование корреляций солнечной активности и параметров распадов изотопов Co-60 и Fe-550

вторник, 2 апреля 2024 г. 19:10 (15 minutes)

Temporal variations of nucleus decay parameters studied extensively in last years, they can be signal of new physical effects of cosmic origin. PhIAN –INP- ITEP - JINR collaboration measures them for Co-60 β -decay and Fe-55 inverse β -decay by semiconductor detectors. During 2020 –2024 correlation of Co-60 and Fe-55 decay rate reduction with intense X-ray solar flare events and coronal plasma ejections (magnetic storms) established at high reliability level

Presenter: СЕРГЕЙ МАЙБУРОВ

Session Classification: Ядерная физика низких и промежуточных энергий + Фундаментальная ядерная физика