

**Symposium - Nuclear E2
resonance effects in kaonic
molybdenum isotopes**

Report of Contributions

Contribution ID: 1

Type: **not specified**

HPGe detector(s) for the measurements of X-rays from kaonic transitions in solid targets at DAΦNE

Friday 8 April 2022 10:40 (20 minutes)

Presenter: BOSNAR, Damir (Department of Physics, Faculty of Science, University of Zagreb)

Contribution ID: 2

Type: **not specified**

E-2 mixing in K-mesic atoms

Friday 8 April 2022 10:25 (15 minutes)

Presenter: SLAWOMIR, Wycech

Contribution ID: 3

Type: **not specified**

New possible investigation on strong interaction with kaonic atoms: the nuclear E2 resonance effect

Friday 8 April 2022 10:05 (20 minutes)

In hadronic atoms with ticklish nuclei, when atomic de-excitation energy is closely matched by nuclear excitation energy, a resonance condition occurs, which produces an attenuation of some of the atomic x-ray lines from a resonant versus a normal isotope target. Such effect is called the nuclear E2 resonance effect and allows the investigation of strong kaon-nucleus interaction and nuclear surface.

Presenter: DE PAOLIS, Luca (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 4

Type: **not specified**

Kaonic atoms beyond SIDDHARTA-2: future measurements and perspectives at the DAFNE collider

Friday 8 April 2022 11:00 (15 minutes)

Presenter: SCORDO, Alessandro (Istituto Nazionale di Fisica Nucleare)