[RIBF-ULIC-miniWS-015] Alpha cluster structure on unstable nuclei revealed by newly constructed SAMURAI spectrometer

Thursday 19 April 2012 - Thursday 19 April 2012 RIBF Building 2F, meeting room

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Opening address, SAMURAI collaboration

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SAMURAI overview from experimental point of view

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$(p,p'\alpha)$ α knock-out reaction on Be isotopes

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LOI on the last PAC meeting

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¹⁰Be + α structures in ¹⁴C

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Mechanism of α + ²⁴O cluster structure on highly excited region on ²⁸Ne, Importance and possibility of measurement

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Measurement of the α +²⁴O cluster dissociation reaction on SAMURAI and its feasibility

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Cluster structures in ^{40,42}Ca

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(TBA) (α, α') reaction on stable nuclei and application to unstable nuclei

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(TBA) Experimental approach to measure alpha condensation and possibility on SAMURAI

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Ne isotope highly excited state, positive-negative parity states

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