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Issue	EPJ Web of Conferences Volume 63, 2013 Heavy Ion Accelerator Symposium 2013
Article Number	02011
Number of page(s)	5
Section	Reactions
DOI	<a href="http://dx.doi.org/10.1051/epjconf/20136302011">http://dx.doi.org/10.1051/epjconf/20136302011</a>
Published online	19 December 2013

EPJ Web of Conferences **63**, 02011 (2013)  
<http://dx.doi.org/10.1051/epjconf/20136302011>

**Long lifetime components in the decay of excited super-heavy nuclei**

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Published online: 19 December 2013

**Abstract**

For nuclear reactions in which super-heavy nuclei can be formed, the essential difference between the fusion process followed by fission and non-equilibrium processes leading to fission-like fragments is there action

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