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Evaluations of the decay data of ^{55}Fe , ^{55}Co , $^{103\text{m}}\text{Rh}$, ^{103}Pd , $^{129\text{m}}\text{Sn}$ and ^{166}Ho from the Decay Data Evaluation Project (DDEP)—2024

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Evaluations of the decay data of ^{55}Fe , ^{55}Co , $^{103\text{m}}\text{Rh}$, ^{103}Pd , $^{129\text{m}}\text{Sn}$ and ^{166}Ho from the Decay Data Evaluation Project (DDEP)—2024

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Main text

Since 1995, members of the Decay Data Evaluation Project (DDEP) have evaluated the decay data from different radionuclides of special interest for metrology or practical applications, e.g. nuclear medicine, monitoring and reactor shielding, etc. Since 2004, these evaluations have regularly been published under the auspices of the Bureau International des Poids et Mesures (BIPM) on behalf of the Consultative Committee for Ionizing Radiation (*Comité Consultatif des Rayonnements Ionisants*, CCRI).

DDEP evaluations finalised in 2024 are published with their Tables, which summarise the recommended data of the radionuclides and their decay schemes, and the evaluator’s report describing the evaluation procedure (Comments).

Tables and Comments of the ^{55}Fe evaluation are available here: [Fe-55_Report](#).

Tables and Comments of the ^{55}Co evaluation are available here: [Co-55_Report](#).

Tables and Comments of the $^{103\text{m}}\text{Rh}$ evaluation are available here: [Rh-103m_Report](#).

Tables and Comments of the ^{103}Pd evaluation are available here: [Pd-103_Report](#).

Tables and Comments of the $^{129\text{m}}\text{Sn}$ evaluation are available here: [Sn-129m_Report](#).

Tables and Comments of the ^{166}Ho evaluation are available here: [Ho-166_Report](#).

All evaluations have been peer-reviewed and approved for publication by the DDEP collaboration. They can be found, along with additional files in machine-readable formats, on the [DDEP section of LNHB website](#). The list of past and present DDEP members is available [here](#).

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Full paper

The full paper is available online at: <https://metrologia.bipm.org/guides-stds-conventions/2025/G1.pdf>.

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