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Progress in development and measurement of an asymmetric magnet pole undulator

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The Insertion device development and measurement laboratory of Devi Ahilya University, Indore, India has ongoing activities on undulator design, development and measurements. A new type of undulator known as Asymmetric magnet pole with upper and lower structure having different period lengths will be designed and fabricated. Asymmetric magnet pole undulator has a special demanding field quality for suppressing the higher harmonic components of radiation and reducing on axis heat load from radiation.

The undulator will be a variable gap undulator with upper structure consist of 25mm period having NdFeB magnets

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Footnotes

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