

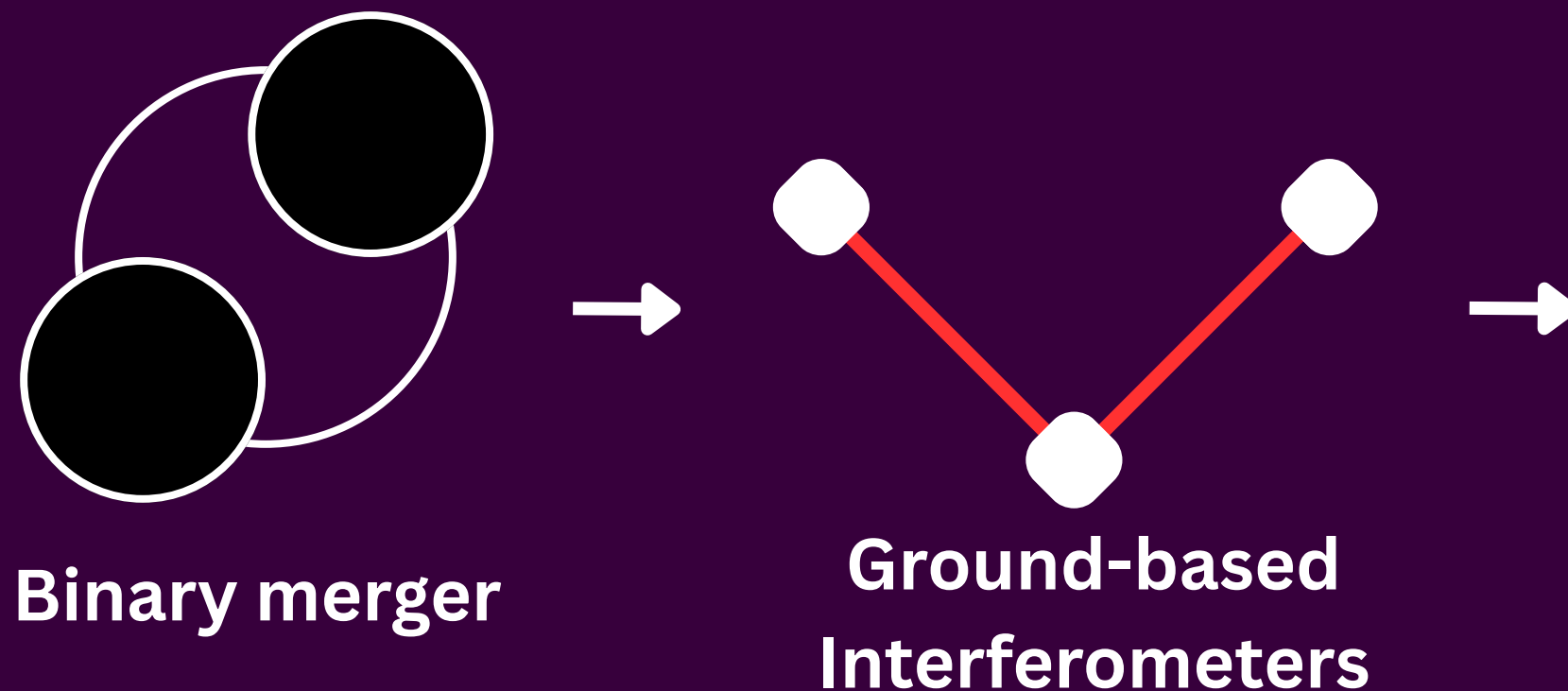
Gravitational-wave Posterior Post-processing with Normalizing Flows

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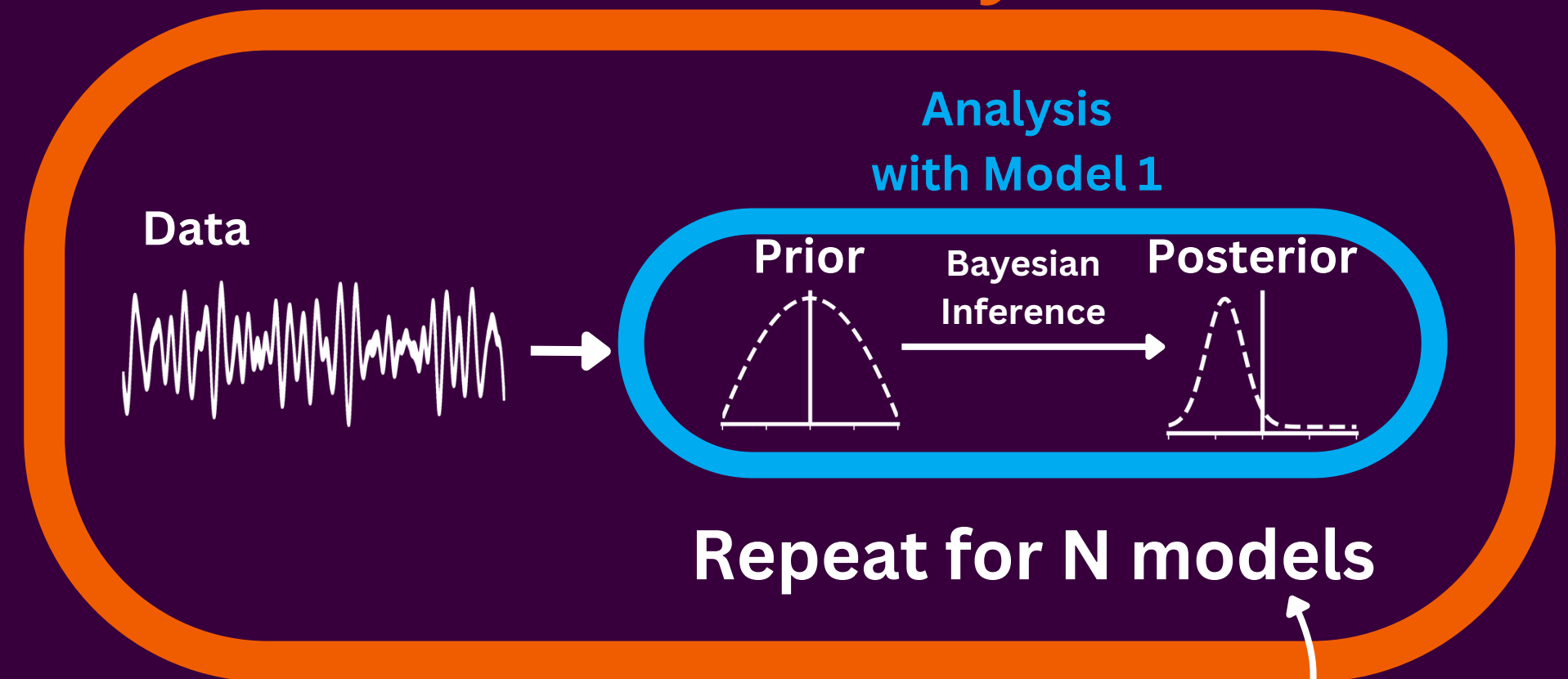
We regularly detect and analyze gravitational-wave signals from binary mergers



Binary merger

Ground-based
Interferometers

Standard analyses



Results with different models
only differ slightly

AIM: To develop a framework to obtain results with new models by post-processing existing results

This is inefficient!

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We propose a two-step process that leverages **Normalizing Flows** and **Sequential Monte Carlo**

Come see the poster to find out how it works

Poster 168

Equivalent results at a fraction of the cost!

