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## Fermion tunneling from Kerr-like black hole of topologically massive gravity

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In the context of three dimensional theory of general relativity (TMG), a Kerr-like metric is obtained. Using Penrose diagrams, The causal structure and particle's diffusion are discussed, and within the fermions tunneling effect approach and WKB approximation, the expression of Hawking temperature is also derived.

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**Session Classification:** Posters of tuesday (ignore time)