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Learning and retrieval behavior in recurrent neural networks with pre-synaptic dependent homeostatic plasticity

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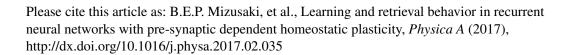
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#### ACCEPTED MANUSCRIPT

#### Highlights

- A network of spiking neurons is capable of storing spatio-temporal information.
- A correlation measure to evaluate the quality of the memory retrieved is proposed.
- The storage capacity is evaluated for varied durations of activity traces.
- The time lenght of inhibitory signals affect the reliability of memory retrieval.

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