

Title

Name

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Number of pages - 14

Number of tables - 0

Number of figures - 0

Executive Summary

One page

Acronyms

MCNP Monte Carlo N-Particle Transport Code.

³ **1 Introduction**

Expand on the white paper in this section to introduce the project.

1.1 Motivation

1.2 Goals

2 Background

Give a good technical overview of your topic with literature references.

3 Process model

‘Derive’ the process model. Include all the necessary data needed. Provide diagrams, etc.

Be as technical as possible, and include a solid qualitative analysis. Include and justify any assumptions.

3 **4 MCNP model**

Provide the MCNP model screenshot the configuration in the visual editor. Explain what you are modeling and why it is important. Include the input file in an appendix.

5 Results and discussion

Present and analyze results.

6 Cross cutting discussions

Briefly discuss cross cutting issues related to the project.

3 **7 Future work**

Outside the scope of the project, what additional work could be done using the existing model? What enhancements can be made to the model and for what purpose(s)?

8 Lessons learned

What you personally learned over the course of the project

3 9 Summary remarks

Summarize.

Major results and implications include -

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Acknowledgements

Tables

Figures

Appendix I: MCNP input decks