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Monitoring the Double Chooz experiment GLENN HORTON-SMITH, Kansas State University — The Double Chooz experiment will be sensitive to electron antineutrino disappearance due to $\sin^2(2\theta_{13})$ in the $0.02 - 0.03$ range, improving on the CHOOZ bound by about an order of magnitude. Reliable and efficient monitoring of temperatures, fields, the conditions of electronics, and other factors plays a critical role in achieving stability in target volume and efficiency to achieve the experiment's sensitivity goals. An description of the Double Chooz physical environment monitoring system will be presented.

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