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Abstract for an Invited Paper for the APR06 Meeting of the American Physical Society

## ILC detector R&D and design studies.

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Starting from the precision physics program of the ILC, the talk will outline the corresponding necessary detector performance in order to do this physics. Based on this performance I will outline what detector R&D needs to be done to realize such a detector, give a status of the worldwide R&D activities, what still needs to be in the future and describe the status of the current detector concept studies that are being pursued worldwide.