Physicist: Principal Physicist

Conducts research into phases of atomic and molecular, nuclear, solid state, thermal, and other physical phenomena. Develops theories and laws based on observed results of experiments and predicts phenomena based on theoretical considerations in areas of application such as acoustics, electricity and magnetism, electronics, heat, light, mechanics, radiation, optics, and lasers.

Discretion/Latitude
Works under consultative direction toward predetermined long-range goals and objectives. Determine and pursue courses of action necessary to obtain desired results. Completed work is reviewed from a relatively long- term perspective, for desired results.

Knowledge, Skills & Abilities
Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Identifies, analyzes and develops new business opportunities. Answers unusually complex technical questions regarding products and services, and takes part in putting together proposals, configurations, and product offerings.

Problem Solving
Work on unusually complex technical problems and provide solutions that are highly innovative and ingenious.

Impact
Develops technological ideas and guides their development into a final product. Erroneous decisions or recommendations would typically result in failure to achieve critical project objectives. Leads the planning and implementation of large projects/ programs. Contributes to department goals and planning efforts.

Liaison
Serves as organization spokesperson on projects and/or programs. Acts as advisor to management and customers on advanced technical research studies and applications.

Minimum Education & Experience
12+ years with BS in Physics, Engineering or related field. Employees usually have advanced degree in field of specialization.