TABLE II. — Position of the bands at liquid nitrogen temperature, comparison with calculated values (eV).

	$h\nu_{\text{free}} - h\nu_{\beta}$		$h\nu_{\text{free}} - h\nu_{\alpha}$		$h\nu_{\beta} - h\nu_{\alpha}$	
	Th.	Exp.	Th.	Exp.	Th.	Exp.
KCl	.28	.31	.53	.76	.25	.45
KBr	.29	.35	.49	.63	.20	.28
KI	.23	.32	.44	.59	.21	.27
NaCl	.19	.59	.50	.85	.31	.26

$h\nu_{\text{free}}$ = energy of first exciton peak, experimental values from ref. (7).

Experimental values for $h\nu_{\alpha}$ and $h\nu_{\beta}$ from ref. (1,2), and the present work.

All theoretical values from ref. (6). The experimental values for KBr given in ref. (6) differ from those above due to the recent measurement of $h\nu_{\text{free}}$.

the potassium salts and that the α bands occur at considerably lower energies than were predicted.

FUCHS (7) has computed the oscillator strength and autoionization lifetime of the β band in NaCl. He found that the β band should consist of six components, four of which are probably well into the fundamental absorption band and are unobservable. The other two should be

separated by 0.10 eV, giving rise to a doublet β band. Since this splitting is a result of the spin-orbit coupling of the hole distributed on the Cl^- ions nearest the F -center, a similar result is expected in KCl. A splitting of the β band is not observed in the curves of Fig. 1 and 2, although a doublet is seen for exciton production in perfect crystals (8). Measurements at lower temperatures may clarify this rather obscure point.

* * *

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Note added in proof.

Since our work was sent to the publisher, R. ONAKA and I. FUJITA announced the publication in the *Phys. Rev.* of a paper on the same subject. (Abstract appeared in *Phys. Rev. Lett.*, 5, 29 (1960)). We thank Prof. R. ONAKA for having sent us a copy of his work prior to publication.

(7) R. FUCHS: *Phys. Rev.*, **111**, 387 (1958).

(8) P. L. HARTMAN, J. R. NELSON and J. S. SIEGFRIED: *Phys. Rev.*, **105**, 123 (1957).

Effect of Lepton Non-Conservation on π -Decay.

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The principal result (4) and conclusion of this paper are incorrect; the factors m_{π}^2/m_e^2 and m_{π}^2/m_{μ}^2 should not be present. For equal muon and electron coupling constants, the branching ratio is unaltered from the Ruderman-Finkelstein value, consequently no conclusion can be drawn about lepton conservation.